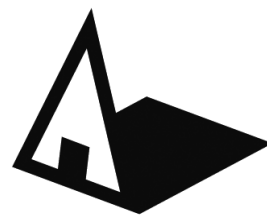


University of Belgrade – Faculty of Architecture

BOOK OF COURSES

Master
academic
studies
Architecture



COMPULSORY COURSES

COMPULSORY COURSES FOR ALL MODULES

Module – A, Module – U, Module – AT, Module – AE

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: ARCHITECTURAL PHILOSOPHY			
Teacher(s): Ph.D. Petar D. Bojanić			
Status of the subject: Compulsory			
Number of ECTS credits: 2			
Conditions:			
Subject goal Understanding of the basic concepts of philosophy and architectural philosophy. The intention is to find and identify what belongs to the field of philosophy or institution of philosophy in the business of architects. It starts with the interpretation of the most important architectural figures and looks for the new inspiration in the "current" philosophy.			
Outcome of the subject Understanding of social context and awareness of philosophy, politics and ethics in relation to architecture.			
Subject content <i>Theory</i> Terminology, method of application, interpretation and meaning. Levels of knowledge: from universal philosophical idea to theoretical principle concept in architecture. Poetics of creativity in architecture and arts. Ways of interpretation of a certain philosophical attitude concept in architecture. Case studies.			
Literature Bojanić, P. (2020), <i>Projekt i projektne radnje. Prilozi arhitektonsko-filozofskom rečniku</i> . Beograd Akademska knjiga , IFDT. Bojanić, P. i Đokić, V. (ur.) (2010), <i>Teorija arhitekture i urbanizma</i> , Beograd: Univerzitet u Beogradu, Arhitektonski fakultet. Bojanić, P. i Đokić, V. (ur.) (2011), <i>Misliti grad</i> , Beograd: Univerzitet u Beogradu, Arhitektonski fakultet. Bojanić, P. i Đokić, V. (ur.) (2011), <i>Dijalozi sa arhitektama</i> , Beograd: Univerzitet u Beogradu, Arhitektonski fakultet. Bojanić, P. i Đokić, V. (ur.) (2012), <i>Arhitektura kao gest</i> , Beograd: Univerzitet u Beogradu, Arhitektonski fakultet.			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Lectures and discussions.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	30	Written exam	70
Practical teaching		Oral exam	
colloquium			
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: ARCHITECTURE AND SOCIETY			
Teacher(s): Professor Ivan V. Rašković, Associate Professor Ph.D. Vera S. Backović, Ph.D. Stefan Janković			
Status of the subject: Compulsory			
Number of ECTS credits: 2			
Conditions:			
Subject goal The general objective of the subject is to understand the relationship between architecture and society as a network of complex interconnections. Accordingly, the thematic units are based on an explanation of theoretical approaches of complex, comprehensive and interdependent systems of interaction between different types of social interests and designed space. In architecture, concept and context are inseparable. Understanding the relationship between the interests of different social groups and the production, making of space indicates the complexity of the relationship between human needs, scale and purpose, utility in architecture.			
Outcome of the subject Adequate knowledge of the structure and character of interactive flows between social needs and designed space as a framework for the existence and functioning of society.			
Subject content <i>Theory</i> A series of lectures about the role of architecture in society. <i>Practical learning</i> A series of assignments - etudes, with the aim of operationalizing theoretical knowledge. Seminar paper on a topic defined according to the lectures.			
Literature Tschumi, B. (2012).Architecture Concepts: Red is Not a Color. Rizzoli San Rocco 4. (2012).Fuck Concepts! Context! . San Rocco. Venezia Rossi A. (2009). Autobiografia scientifica. IISaggiatore Aureli, P. V. (2011). The possibility of an absolute architecture. Cambridge: The MIT press Petrović, B. Rašković, I. (eds.) Budućnost stanovanja: Aspekti održivosti budućeg stanovanja u Srbiji. Beograd: Arhitektonski fakultet, 2017.			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching lectures, discussions, analysis of selected texts and case studies, presentations, essays			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	50
Practical teaching		Oral exam	
colloquium	40	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: ECONOMY IN ARCHITECTURE AND URBANISM			
Teachers: Ph.D. Danilo S. Furundžić, Associate Professor (1); Arch. Goran Vojvodić, Professor			
Status of the subject: compulsory			
Number of ECTS credits: 2			
Conditions: /			
Subject goal The main objective of the course is to acquaint students with the basics of economics, models of investment and economic laws, regarding the development of the city (infrastructure and superstructure). Through lectures, students will gain knowledge about the functioning of the entire urban economy, as well as its specific parts, especially the land, communal and residential economies, i.e., sectors of particular public importance.			
Outcome of the subject <i>The necessary design skills to meet building users' requirements within the constraints imposed by cost factors and building regulations.</i> The graduate will have skills to: <ol style="list-style-type: none"> critically examine the financial factors implied in varying building types, constructional systems, and specification choices and the impact of these on architectural design; understand the cost control mechanisms which operate during the development of a project; prepare designs that will meet building users' requirements and comply with current legislation, appropriate performance standards, and health and safety requirements. <i>Adequate knowledge of the industries, organizations, regulations, and procedures involved in translating design concepts into buildings and integrating plans into overall planning.</i> The graduate will acquire knowledge of: <ol style="list-style-type: none"> the fundamental legal, professional and statutory responsibilities of the architect, and the organizations, regulations, and procedures involved in the negotiation and approval of architectural designs, including land law, development control, building regulations, and health and safety legislation; the professional inter-relationships of individuals and organizations involved in procuring and delivering architectural projects, and how these are defined through contractual and organizational structures; the fundamental management theories and business principles related to running both an architect's practice and architectural projects, recognizing current and emerging trends in the construction industry. 			
Subject content <i>Theory</i> Theoretical teaching includes acquiring knowledge in the field of: <ul style="list-style-type: none"> Essential characteristics of investment - the theory of infrastructure development thresholds, finance models City economy, local public finance management Urban land - unregulated and regulated market, construction suitability assessment Utilities, optimal utility, utility services in the city Location choosing, construction financing, profit-making Panning effects - economic evaluation of urban plans Studying traditional and dynamic methods of assessing the profitability of real estate investment as well as economic concepts, such as the "time value of money" 			
Literature: Милићевић, Г. (1990). Урбана економика. Београд: Економски факултет. Јанић, М. (2004). Управљање грађевинским земљиштем у тржишним условима. Београд: ЈУГИНУС. Baum, A. (1991). Property Investment Depreciation and Obsolescence. London, London: Routledge. Baum, A. (2001). Freeman's Guide to the Property Industry, (2nd ed.). London: Freeman Publishing. O' Salivan, A. (2018). Urbana ekonomika. Beograd: Ekonomski fakultet.			
Number of active teaching classes			
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0
			Other: 0
Method of carrying out the teaching Interactive lectures, guest lectures, research projects, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 40	Final exam	total points 60
activity during lectures	20	written exam	60
colloquium(s)	20		

Table 5.2 Specification of subject

Study program: Integrated Academic Studies - Architecture			
Name of the subject: MASTER FINAL PROJECT			
Teacher(s):			
Status of the subject: Compulsory			
Number of ECTS credits: 2			
Conditions: Passed all exams at Integrated Academic Studies in Architecture. The selection of a mentor for the Master Final Project is conditioned by the selection of the subject Thematic Research, Master Thesis and Master Design Project			
Subject goal The final part of the Integrated Academic Studies in Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Final Project is the most complex work at the Master academic studies level– it represents a synthesis of all design knowledge and skills, proven by a portfolio that consists of graphic representation of architectural-urban pre-concept design with elements of concept design and other specific material relevant for the chosen professional profile.			
Outcome of the subject Master thesis - Subject presents systematization and presentation of the results of the previous phases of work within the final part of the study program and an introduction to the final, independent phase of work - Master Final Project. It is expected that the student, through the preparation of the Master Final Project, affirms acquired skills that correspond to the study program outcomes, in general, especially those related to the acquired skills and knowledge.			
Subject content Systematization and presentation of the results of previous phases of work within the final part of the study program - Thematic research, Master thesis and Master project with internal verification of work results.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor.			
Number of active teaching classes			Other: /
Lectures: /	Exercises: /	OFL: /	
SRW: 2			
Method of carrying out the teaching Mentoring. Public Master Final Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final portfolio	85
Practical teaching		Design Presentation Review	15
colloquium			
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_ Module A, Module U, Module AT, Module AE			
Name of the subject: MASTER FINAL PROJECT			
Teacher(s):			
Status of the subject: Compulsory			
Number of ECTS credits: 10			
Conditions: Passed all exams at Master Academic Studies. The selection of a mentor for the Master Final Project is conditioned by the selection of the subject Thematic Research - A / U / AT / AE, Master Thesis - A / U / AT / AE and Master Design Project - A / U / AT / AE.			
Subject goal The final part of the Master's academic studies Architecture- Module A, Module U, Module AT, Module AE consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Final Project is the most complex work at the Master academic studies level– it represents a synthesis of all design knowledge and skills, proven by a portfolio that consists of graphic representation of architectural-urban pre-concept design with elements of concept design and other specific material relevant for the chosen professional profile.			
Outcome of the subject Master Final Project represents the synthesis of design knowledge and skills, where student, on his own, shows the level of knowledge and skills gained through the Master study program, as a continuation of previously set thesis and research. The student publicly presents graphical drawings, and final project model and a master portfolio that includes three clear sections: thesis, research by design with analytical and generic studies, and explanation of the final concept and final project. It is expected that the student, through the preparation of the Master Final Project, affirms acquired skills that correspond to the study program outcomes, in general, especially those related to the acquired skills and knowledge.			
Subject content Execution of the portfolio that concludes research done in Master thesis and Master Design Project, through graphical material which is made autonomously by the critical revaluation of the student. Research by design, modeling, shaping and structuring the design project.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor.			
Number of active teaching classes			Other: 300
Lectures: 0	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Mentoring. Public Master Final Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	85
Practical teaching		Design Presentation Review	15
colloquium		.....
Seminar(s)			

COMPULSORY COURSES - Module A - Architecture

Study program: Master academic studies Architecture - Module A / Integrated academic studies – Architecture
Name of the subject: DESIGN METHODOLOGY
Teacher(s): Associate Professor Ph.D. Vladimir B. Milenković (1), Associate Professor Milan A. Djurić, Assistant Professor Ph.D. Milena S. Kordić, Assistant Professor Ph.D. Pavle D. Stamenović
Status of the subject: Compulsory for MASA_Module A, Elective for IASA
Number of ECTS credits: 3
Conditions: /
<p>Subject goal</p> <p>Developing the ability to identify and analyze the structure of space in relation to the design methodology - recognizing assemblies and elements and their interdependent connections that are relevant to the concept and design method.</p> <p>The theoretical framework of the course is framed by examination of the contemporaneity of architectural discourse from two points of view: theoretical and practical, professional. The subject of the analytical procedure is the relations within architectural design. The analysis is based on the internal structure of the design, starting from the elements and assemblies and developing them towards the whole and the context. The procedure of synthesis is established through consideration of concept and the way the concept shapes the form, structure, and content of the architectural design, instrumentalizing its methodological capacities from the design brief to the representativeness of the project.</p> <p>Accordingly, the role of technology is simultaneously examined at the level of principle questions of the materialization of the world, the coding, and digitization of its reality, as well as at the level of production which treats the substance of architectural space integrally, conceptually and phenomenologically.</p> <p>The theoretical framework of the teaching content aims to discursively expand the field of action to the interdisciplinary field, while concrete case studies are based on contemporary architectural practices.</p>
<p>Outcome of the subject</p> <p>Creative application of experience in analysis on the formulation of an individual methodology for studio design, in terms of its conceptualization, scale, internal structure, the content of project documentation and representation. Developing a conceptual and critical approach to architectural projects that integrates the aesthetic aspects and technical requirements of structuring the space and understanding the research methods and preparation of design briefs for architectural design.</p> <p>The student will have an understanding of the need to critically review precedents relevant to the function, organization and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation.</p>
<p>Subject content</p> <p>The theoretical teaching is divided into three groups of lectures based on a) theoretical grounds of the architectural design, b) analysis of the elements and assemblies that build it, and v) formulation of methodological conditions for the execution of the architectural design from the design brief to the elaboration of the structure of its representativeness.</p> <p>The introductory part of the subject provides a theoretical framework for the course that focuses on the contemporary architectural professional context. Discursive questions are raised about the philosophical/aesthetic and cultural/sociological aspects of the work. The relation between the conceptual and the phenomenological aspect of the project is discussed, as well as the relations between the type and the methods, or generally speaking, relations between typological models and morphological means. The capability of students is developed based on an active relation to the theory of architecture, as well as to the phenomenological and technological aspects of design, translated into the design content.</p> <p>The second group of lectures is aimed at teaching the student to recognize the structure of architectural assemblages within a design, whose elements are analyzed as internally linked, and where those links are relevant to spatial implications of the design: spatial hierarchy, volume, transparency, inter-space, polyvalence, dynamism, mobility.</p> <p>The third set of lectures covers the methodological conceptions whose application capacity is proved by the analysis-synthesis order of procedures: determinism and indeterminism, utilitarianism, intuition as a method, landscape code, ephemerality (the disappearance of architecture), introducing into consideration the position and projection of the architect.</p> <p>The question of the materiality of the world takes its place as a part of a technological discourse in which the means of abstraction of geometry and application of methods, are formalized on the line that connects the manifestation of the autonomous value of the matter in reality and digital infinity, leading to the concepts of morphogenesis and kinetics of architecture.</p>
<p>Literature</p> <p>J. Berger, <i>Ways of Seeing</i> (Penguin, 1990)</p> <p>N. Bourriaud, <i>Formes de vie. L'art moderne et l'invention de soi</i> (Denoël, 2009)</p>

G. Bašlar, *Novi naučni duh* (IK Zorana Stojanovića, 1991)
M. Carpo, ed., *The Digital Turn* (Wiley, 2012)
A. Fosijon, *Život oblika* (Kultura, Beograd 1964)
R. Koolhaas, *Delirious New York – A Retroactive Manifesto for Manhattan* (The Monacelli Press, 1997)
M. Кордић, *Међупростор* (Зад. Андрејевић, 2012)
S. Lavin, *Flash in the Pan* (AA Publications, 2014)
B. Миленковић, *Форма прати тему* (АФ, МПУ, 2015)
B. Миленковић, *Архитектонска форма и мулти-функција* (Зад. Андрејевић, 2004)
V. Mosco, *The Digital Sublime Myth, Power, and Cyberspace* (MIT Press, 2004)
T. Стратимировић, *Непрекинути простор-модерна кућа* (Зад. Андрејевић, 2009)
A. Tellios, ed., *Agile Design – Advanced Architectural Cultures* (CND Publications, 2014)
J. Till, *Architecture Depends* (MIT Press, 2012)

Number of active teaching classes

Lectures: 2

Exercises: /

OFL: /

SRW: /

Other: /

Method of carrying out the teaching

Lectures, Colloquiums, Conversations, Seminar Paper, Oral Presentation

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	20
colloquium	40 (20+20)	Final Paper	40
Seminar(s)			

Study program: Master academic studies Architecture_Module A / Integrated academic studies – Architecture
Name of the subject: INDIVIDUAL METHODOLOGIES – Design Theories
Teacher(s): Associate Professor Milan A. Djurić (1), Professor Vesna P. Cagić Milošević, Associate Professor Ph.D. Aleksandar M. Ignjatović, Associate Professor Ph.D. Ana Z. Nikezić, Assistant Professor Ph.D. Milena S. Kordić
Status of the subject: Compulsory for MASA_Modul A, Elective for IASA
Number of ECTS credits: 3
Conditions: /
Subject goal <p>The goal is to establish a theoretical ground for understanding what the architectural design is, and to enable the student to apply the theoretical knowledge in the process of design production and critical interpretation of architectural design and its thematic consolidation in the contemporary social context and professional context.</p>
Outcome of the subject <p>The outcome of the course is the ability to analyze the structure and elements of an architectural project, the ability to systematically and analytically interpret the procedures and processes of architectural design, and especially the ability to apply the gained knowledge in a studio design project.</p> <p>Ability to create architectural designs that satisfy both aesthetic and technical requirements. The student will have the ability to develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user.</p> <p>Adequate knowledge of the histories and theories of architecture and the related arts, technologies, and human sciences. The student will have knowledge of the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; the influence of history and theory on the spatial, social, and technological aspects of architecture; the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach.</p> <p>Understanding of the profession of architecture and the role of the architect in society, in particular in preparing briefs that take account of social factors.</p> <p>The student will have an understanding of the nature of professionalism and the duties and responsibilities of architects to clients, building users, constructors, co-professionals and the wider society; the role of the architect within the design team and construction industry, recognizing the importance of current methods and trends in the construction of the built environment; the potential impact of building projects on existing and proposed communities.</p> <p>Understanding of the methods of investigation and preparation of the brief for a design project.</p> <p>The student will have an understanding of the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation.</p>
Subject content <p><i>Theory</i></p> <p>Teaching during the semester introduces students to a complex thematic framework important and necessary for the production and theoretical examination of the architectural design. Two aspects are introduced in this course: historical theoretical concepts and interpretations in contemporary architectural contexts, as well as concepts – theoretical and practical – that explain the principles, laws, conditions, but also the specifics and particularities of architectural design. Students make a seminar paper that contains theoretical ground, a case study (up to 10000 words), and concluding abstract as an introduction to the Studio project (2 colloquiums and an oral presentation as an exam).</p> <p>The course is structured into 6 thematic units: 1) Architecture and the World 2) Subject-Object 3) Map - Territory 4) Design Technology, 5) Method and 6) Concept and Form of the design, which are developed into 15 thematic units.</p>
Literature <p>De Jong, T. M., Van Der Voordt, eds. <i>Ways to study and research: Urban, Architectural, and Technical design</i>. IOS Press, 2002.</p> <p>Till, Jeremy, <i>Architecture Depends</i> (MIT Press, 2009).</p> <p>Bergson, Henri. <i>Creative Evolution</i>. New York: Dover Publications, Inc. Mineola, 1998.</p> <p>М. Ђурић, Ј. Живанчевић. <i>77 појмова архитектонског дискурса</i>. Бгд: Полигон, 2011.</p> <p>Миленковић, Владимир. <i>Форма прати тему</i>. Бгд: УБ - АФ и МПУ, 2015.</p> <p>Кордић, Милена. <i>Међупростор</i>. Бгд: Задужбина Андрејевић, 2012.</p> <p>Fuko, Mišel. <i>Nadzirati i kažnjavati</i>. IK Zoran Stojanović, 1997.</p> <p>Badiju, Alen. <i>Pravi život</i>. FMK, 2017.</p> <p>Deleuze, Gilles, <i>Cinema 1: The Movement-Image</i>. Minneapolis: University of Minnesota Press, 2002.</p> <p>Agamben, Đorđo. <i>Dispozitiv i drugi eseji</i>. Novi Sad: Adresa, 2012.</p> <p>Armando, Alessandro, Durbiano, Giovanni. <i>Teoria del progetto architettonico, Dai disegni agli effetti</i>. Carocci, 2017.</p> <p>Bauman, Zygmunt. <i>Modernity and Ambivalence</i>. Cambridge: Polity Press, 1991.</p>

Latur, Bruno. *Mreže, društva, sfere: razmatranja jednog teoretičara aktera-mreže*. Beograd: FMK, 2017.

Tschumi, Bernard. *Notations: Diagrams and Sequences*. London: Artifice Books on Architecture, 2014.

Altiser, Luj. *Ideologija i državni ideološki aparati*. Loznica: Karpos, 2009;

Delez, Žil. *Pregovori, 1972-1990*. Loznica: Karpos, 2015;

Deleuze, Gilles, Guattari, Felix. *Kapitalizam i shizofrenija 2, Tisuću platoa*. Zagreb: Sandorf & Mizantrop, 2013.

Wallenstein, Sven-Olov, *Bio-politics and the Emergence of Modern Architecture*, New York: Princeton Architectural Press, 2009.

Rabinow, Paul, ed. *Foucault reader*, New York: Pantheon Books, 1984.

Number of active teaching classes

Lectures: 3

Exercises: /

OFL: /

SRW: /

Other: /

Method of carrying out the teaching

Lectures, discussions, colloquiums, consultations, seminar paper, exam.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations

points

Final exam

points

Activity during lectures

Written exam

50

Practical teaching

Oral exam

colloquium

50

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Seminar(s)

Study program: Master academic studies - Architecture_Module A/Integrated academic studies – Architecture			
Name of the subject: RESEARCH DESIGNING			
Teacher(s): Associate Professor Aleksandru J. Vuja (1), Assistant Professor Ph.D. Pavle D. Stamenović, Assistant Professor Ph.D. Jelena Ž. Milošević			
Status of the subject: Compulsory for MASA_Modul A, Elective for IASA			
Number of ECTS credits: 3			
Conditions: /			
Subject goal <p>The general goal of the subject is to introduce the basic research knowledge in the field of architectural design required for an establishment of a thematic field of the studio design work, independently by each student, and for the formation of a research framework, and development of methods wich will provide meaningful results.</p> <p>The specific goal of the subject is to introduce students with the standards and principles of research, as well as the theoretical foundations of methodological procedures and research techniques in architectural design. With acquired knowledge, students are capable to conceptualize individual approaches to research and thus to prepare for the development of their own master thesis.</p>			
Outcome of the subject <p>Adequate knowledge of the histories and theories of architecture and the related arts, technologies, and human sciences. The student will have knowledge of: 1.) the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; 2) the influence of history and theory on the spatial, social, and technological aspects of architecture;3) the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach.</p> <p>Knowledge of the fine arts as an influence on the quality of architectural design. The student will have knowledge of: 1) how the theories, practices and technologies of the arts influence architectural design; 2) the creative application of the fine arts and their relevance and impact on architecture; 3) the creative application of such work to studio design projects, in terms of their conceptualization and representation.</p> <p>Understanding of the methods of investigation and preparation of the brief for a design project. The student will have an understanding of: 1) the need to critically review precedents relevant to the function, organization and technological strategy of design proposals; 2) the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; 3) the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation.</p>			
Subject content <p><i>Theory</i></p> <p>Theoretical lectures, through the introductory part of the subject, exposes and problematizes the thematic framework of research in the field of architectural design; discuss research standards and principles; literature and references, as well as the relationship between theory and method, design and research. During the course, students are introduced to a general overview of methodological procedures and techniques common to the field of design: from case studies, models and simulations, theoretical and interpretative research, qualitative research; through experimentation, correlational research and logical argumentation, to combined research methods and strategies. The last part of the course highlights research in other discourses, interdisciplinary research, and individual approaches and concepts.</p>			
Literature <p>Linda, Groat, David, Wang. Architectural Research Methods. John Wiley & Sons, Inc. 2002.</p> <p>Hillier, Bill. Space is the machine, A configurational theory of architecture. University of Cambridge, 1999.</p> <p>Михајловић, Добривоје. Методологија научних истраживања. Београд: Факултет организационих наука, 2004.</p> <p>Vuja, Aleksandru, Čolić Mila Vesna, Damjanović. Instant grad : arhitektonski ogledi, Beograd: Arhitektonski fakultet, 2013.</p>			
Number of active teaching classes			Other:
Lectures: 2	Exercises: /	OFL: /	
SRW: /			
Method of carrying out the teaching <p>Lectures, discussions, colloquiums, consultations, seminar paper, exam.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	15	Written exam	50
Practical teaching		Oral exam	5
colloquium	30 (15+15)	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A				
Name of the subject: VOCATIONAL PRACTICE A				
Teacher(s): Assistant Professor Miloš M. Nenadović				
Status of the subject: Compulsory for MASA _ Modul A				
Number of ECTS credits: 3				
Conditions: /				
Subject goal The goal of professional practice is to apply the acquired knowledge during the faculty programs and to test it in practice. Earning the direct practical knowledge and experience in the design office, in the execution of architectural objects, in public and other institutions which deal with architectural and urban design, and where urban planning or scientific/artistic research takes place. Gaining experience in teamwork in the process of architectural and urban design and building of architectural objects.				
Outcome of the subject Upon completion of professional practice, the student is expected to be able to directly apply scientific, artistic, professional and theoretical knowledge and practical procedures in the realization of architectural and urban projects. Understanding current practice of architectural and urban design; Understanding the socio - economic framework of architectural and urban interventions; Ability to integrate acquired knowledge; Application of acquired skills; Teamwork ability; Awareness of the role of the architect in contemporary society; Understanding professional ethics and codes of conduct.				
Subject content <i>Theory</i> Each student separately forms the content of portfolio depending on the choice of the office, organization, institution or construction site where the professional practice is performed. <i>Practical learning</i> Each student separately forms the content of portfolio depending on the choice of the office, organization, institution or construction site where the professional practice is performed.				
Literature /				
Number of active teaching classes				Other: 90
Lectures: /	Exercises: /	OFL: /	SRW: /	
Method of carrying out the teaching The student independently selects a design office, a public or other institution, a construction site or an appropriate scientific research institution in which he/she will conduct a professional internship / in the country or abroad /. The production of a professional practice task book and seminar paper is mandatory.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures Professional practice task book	50	Written exam		
Practical teaching		Oral exam		
colloquium		Final paper	50	
Seminar(s)				

COMPULSORY COURSES - Module U

Module URBANISM - A SUSTAINABLE CITY

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture
Name of the subject: A SUSTAINABLE CITY 1 - TRANSFORMATIONS
Teachers: Ph.D. Vladimir M. Mihajlov, Associate Professor / Ph.D. Ivan Ž. Simić, Assistant Professor
Status of the subject: compulsory (MASA_Module U), elective (IASA)
Number of ECTS credits: 3
Conditions: Enrolled in the current semester
Subject goal <p>The objective of the course is to study the process of transformation of cities and the various social, economic, environmental, and other phenomena that cause it. Cities, as the most complex anthropogenic systems, are under constant change, and they are the result of multiple interconnected influences - they are changing in size, shape, and socioeconomic order. Transformation processes, whether developed spontaneously or as a result of planning, are the primary mechanism of urban development. Students will be trained to critically understand the genesis and impact of these processes on urban development, mastering, and applying basic knowledge in the field of urbanism and planning. Students are trained to identify what could be the drivers of a city's transformation, how these different influences are interconnected, and how the transformations manifest in an urban environment.</p>
Outcome of the subject <p>Adequate knowledge of urban design, planning, and the skills involved in the planning process. The graduate will acquire knowledge of:</p> <ol style="list-style-type: none"> 1. theories of urban design and the planning of communities; 2. the influence of the design and development of cities, past and present on the contemporary built environment; 3. current planning policy and development control legislation, including social, environmental, and economic aspects, and the relevance of these to design development.
Subject content <p><i>Theory –</i></p> <p>Teaching is realized through ex-cathedra lectures that convey to students essential theoretical determinants related to urban development and urban transformation, both through historical review and thorough review of current theory in the field of urbanism, planning, and other relevant scientific disciplines. After acquiring basic theoretical knowledge, students are ready for independent research work that is realized through students' debates. Students are forming groups, and each group is assigned a task to study a particular phenomenon related to the transformation of cities. Then they create a critical-argumentative stance that they present in the amphitheater in front of other students. They are confronting their views with another group of students and other students, so within a constructive debate, the phenomenon of transformation is considered. Attitudes are formed and argued, based on the theory studied from the literature and case studies.</p>
Mandatory literature: <ul style="list-style-type: none"> – Elin, N. (2002). Postmoderni urbanizam, Beograd: Orion. (izbor poglavlja) – Šoe, F. (1978). Urbanizam, utopija i stvarnost, Beograd: Građevinska knjiga. (izbor poglavlja) – LeGates, R.T., & Stout, F. (Eds.). (2003). The City Reader. London and New York: Routledge. (izbor poglavlja) – Михајлов, В. (2016) Мерење немерљивог – Иновативне методе процене алтернатива развоја града. Архитектонски факултет Универзитета у Београду ISBN 978-86-7924-149-8 Recommended literature: <ul style="list-style-type: none"> – Alexander, C., Ishikawa, S., & Silverstein, M. (1977). A Pattern Language: Towns, Buildings, and Construction. New York: Oxford University Press. – Castells, M. (2000). The Rise of the Network Society. Malden in Massachusetts, Oxford and Carlton: Blackwell Publishing. – Castex, J., Depaule J.C., & Panerai, P. (1989). Urbane forme. Beograd: Građevinska knjiga. – Cerda, I. [1979 (1867)]. La théorie générale de l'urbanisation. Paris: Editions du Seuil. – Cullen, G. (1990). Gradski pejzaž. Beograd: Građevinska knjiga. – Doksijadis K. (1982). Čovek i grad. Beograd: Nolit. – Dženks, Č. (1988). Moderni pokreti u arhitekturi. Beograd: Građevinska knjiga. – Fainstein, S., & Campbell, S. (Eds.) (2002). Readings in Urban Theory. Oxford and Malden, Massachusetts: Blackwell Publishers. – Fisher, F., & Forester, J. (Eds.). (1993). The Argumentative Turn in Policy Analysis and Planning. Durham and London: Duke University Press. – Fišman, R. (1997). Ebenizer Hauard i njegov koncept vrtnog grada. U Perovid, M. (urednik) Istorija Moderne Arhitekture - Antologija tekstova. Knjiga 1. (str. 330-353). Beograd: IDEA. – Fišman, R. (1997). Le Korbizjeove urbanističke ideje. U Perovid, M. (urednik) Istorija Moderne Arhitekture - Antologija

tekstova. Knjiga 2/A. (str. 318-349). Beograd: IDEA.

- Forester, J. (1989). Planning in the Face of Power. Berkeley: University of California Press.
- Friedmann, J. (1987). Planning in the Public Domain: From Knowledge to Action. Princeton: Princeton University Press.
- Harvey, D.(1973). Social Justice and the City. Baltimore: Johns Hopkins University Press.
- Hayek, F.A. [1997 (1944)]. Put u ropstvo. Novi Sad: Global Book.
- Hall, P. [1996 (1988)]. Cities of Tomorrow. Cambridge, MA and Oxford: Blackwell.
- Healey, P. (1997). Collaborative Planning: Shaping Places in Fragmented Societies. Houndmills and London: MacMillan Press.
- Jacobs, J. [1992 (1961)]. The death and life of great american cities. New York: Vintage Books.
- Krier, R.(1991). Gradski prostor u teoriji i praksi. Beograd, Građevinska knjiga
- Lazarevid Bajec N. (1987). Grad između empirije i utopije, IICSSOS
- Lazarevid Bajec, N. & Maruna, M. (2009). Strategic Urban Design & Cultural Diversity. Beograd: Faculty of Architecture.
- Lefevr, A. (1974). Urbana revolucija. Beograd: Nolit.
- Le Corbusier (1974). Način razmišljanja o urbanizmu. Beograd: Građevinska knjiga.
- Linč, K.(1974). Slika jednog grada. Beograd: Izdavačko preduzede Građevinska knjiga.
- Maksimovid, B.(1978). Idejni razvoj srpskog urbanizma – Period rekonstrukcije gradova do 1914. Beograd: SANU.
- Mamford, L.(2001). Grad u istoriji. Beograd: Book&Marso. (Originalno delo publikovano 1925.)
- Radovic. R. (2005). Forma grada. Beograd: Orion art.
- Rosi, A.(1996). Arhitektura grada. Beograd: Građevinska knjiga - Premis
- Rowe, C., & Koetter, F. (1988). Grad kolaž. Beograd: Građevinska knjiga.
- Sassen, S.(2001). The Global City - New York, London, Tokio. Princeton and Oxford: Princeton University Press.
- Sassen, S. (ed.). (2002). Global Networks Linked Cities. New York, London: Routledge.
- Simmie, J., Hart, D., & Wood, P. (Eds.). (2001). Innovative Cities. London and New York: Spon Press.
- Van Rosen, V. (1997). Berlahe i kultura planiranja grada. U Perovid, M. (urednik) Istorija Moderne Arhitekture - Antologija
- tekstova. Knjiga 1. (str. 484-503). Beograd: IDEA.
- Vibenson, D. (1997). Utopijski aspekt industrijskog grada Tonija Garnijea. U Perovid, M. (urednik) Istorija Moderne Arhitekture - Antologija tekstova. Knjiga 1. Beograd: IDEA.
- Venturi, R., Skot Braun, D., & Ajzenur, S. (1988). Pouke Las Vegasa. Beograd: Građevinska knjiga
- Vujovid, S. (1982). Grad i društvo. Beograd: ICSSO
- Zite, K. [2006 (1989)]. Umetničko oblikovanje gradova. (prevod Đ. Tabakovid). Beograd: Građevinska knjiga.

Number of active teaching classes				Other: 0
Lectures: 3	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching				
Lectures, discussions and interactive teaching.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		total points 40	Final exam	total points 60
activity during lectures		10	written exam	60
colloquium(s)		30		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U			
Name of the subject: STUDIO M01 U - DESIGN PROJECT_ECOLOGICAL URBAN DESIGN			
Teachers: Ph.D. Jelena A. Živković, Associate Professor			
Status of the subject: compulsory for Module U			
Number of ECTS credits: 15			
Conditions: /			
Subject goal The course aims to build up students' knowledge about the ecological approach to the development of human settlements and skills for its application in the field of urban design. It is realized through consideration of the relationship between nature and culture in a specific spatial context. The possibilities of integrating knowledge of nature-ecological and social processes into the process of urban design on a different problematical and spatial levels are explored.			
Outcome of the subject After the completion of this course, it is expected students to have: <ul style="list-style-type: none">– basic knowledge of the natural bases of urban development, ecological processes, and problems within the urban environment and to recognize their links to urban design processes and products.– the skill of applying various research and design methods and techniques in the field of urban design.– Be able, through the project, to establish relationships between (Eco) theoretical concepts and urban design through a creative and context-sensitive application of environmental principles and measures at a different problem and spatial levels.			
Subject content <i>Practical learning</i> The specific theme and the spatial framework are established each year, and, accordingly, the key issues and levels of assignment development are specified. Possible topics are Eco-District / Settlement / Neighborhood; eco approach to designing specific city networks and hubs; an ecological approach to coastal regeneration; urban design within the climate change adaptation, etc. The course is organized in two parts: 1) research and 2) project. Research includes a) Exploration of theories, concepts, models of ecological urbanism in relation to thematic areas (nature / landscape, community, place, mobility, energy, water, waste, construction,etc.) and spatial levels of ecological urbanism, b) Exploration of development context, v) Location research, g) Practice research. The research aims to form the theoretical and normative basis of the project and to develop design tools for eco-urban design in a specific context. 2) Work on the project includes a) Project concept defined at the program level and elaborated through establishing links between thematic areas at different spatial levels b) Project development includes urban solution of spatial unit/network, architectural and urban solution of smaller spatial grouping and architectural design of a specific building / urban setting.			
Literature: <ul style="list-style-type: none">• Shirley P.,Moughtin J. C. (2005) Urban Design: Green Dimensions, London:Routledge• Thomas R., Fordham M. (ed.)(2005) Sustainable Urban Design: An Environmental Approach, London, New York: Spon Press• Birkeland J. (2002) Design For Sustainability: A Sourcebook Of Integrated Eco-Logical Solutions, London, Sterling: Earthscan• Wines James (2000) Green Architecture, Koln, London, Paris, Tokyo: Tachen• Пуцар М. Пајевић М., Јовановић Поповић М. (1994) Биоклиматско планирање и пројектовање: урбанистички параметри, Београд: Завет• Waldheim Ch. (ed.) (2006) The Landscape Urbanism Reader, NY: Princeton Architectural Press• Живковић, Ј. (2015) РИДЕР – збирка текстова за Студио Еколошки урбани дизајн, интерна дигитална публикација АФ			
Number of active teaching classes			Other: 0
Lectures: 0	Exercises: 0	OFL: 9 SRW: 0	
Method of carrying out the teaching Interactive teaching, student research work and other forms of teaching			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 40	Final exam	total points 60
activity during lectures	10	study project	60
colloquiums	30		

Table 5.2 Specification of subject

Name of the subject: STUDIO M01 U - SEMINAR_ECOLOGICAL URBAN DESIGN			
Teachers: Ph.D. Jelena A. Živković, Associate Professor			
Status of the subject: compulsory for Module U			
Number of ECTS credits: 2			
Conditions: /			
Subject goal			
The seminar aims to introduce the environmental requirements and principles of urban development, as well as the measures for their implementation in urban design. It discusses issues and topics that guide the design process focused on sustainable and climate-friendly development. It strives to connect nature and culture and encourages creativity in the search for design responses that express the specificity of a particular place.			
Outcome of the subject			
After the completion of the course, it is expected students to have:			
<ul style="list-style-type: none">- knowledge of environmental theories, concepts, and principles of urban development- Understand the role, potential, and limitations of urban design in achieving environmentally sensitive, sustainable, and climate-friendly development.- Develop the ability to think critically about the effects of construction and space design of nature and society.- Be capable of creating and contextually adapted application of environmental principles and measures in shaping urban space			
Subject content			
Theory			
The seminar is organized through interactive lectures that discuss the context, basics, and specific topics of eco-urban design. The course covers the following issues: Development of an ecological approach in the theory and practice of urban development and urban planning; Environmental requirements of urban development and their spatial relevance; Eco-design principles and eco-city concepts; Characteristics of a contemporary ecological approach to directing urban development: from "ecology within the cities" to "urban ecology"; Ecological qualities of urban space in the context of pluralism of interests, use and meaning of urban space. Climate change and eco-urban design. The relation between ecological urban design, integral and sustainable development. Specific topics in eco-urban design: landscape and nature, mobility, energy, waste, architecture, community/coexistence, actors, etc.			
Literature:			
<ul style="list-style-type: none">• Van Der Ryn S., Cowan S., (1996) Ecological Design, Island Press, Washington DC• Moughtin J. C., Shirley P. (2005) Urban Design: Green Dimensions, London: Routledge• Hough M. (1995) Cities and Natural Processes, London, Routledge• Thomas R., Fordham M. (ed.)(2005) Sustainable Urban Design: An Environmental Approach, London, New York: Spon Press• Birkeland J. (2002) Design For Sustainability: A Sourcebook Of Integrated Ecological Solutions, London, Sterling: Earthscan• Живковић, Ј. (2015) РИДЕР-збирка текстова за Студио Еколошки урбани дизајн, интерна дигитална публикација АФ			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching			
Interactive teaching, student research work and other forms of teaching.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 60	Final exam	total points 40
activity during lectures	20	study	40
colloquium(s)	40		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture			
Name of the subject: A SUSTAINABLE CITY 2 – SPACE UNITS			
Teachers: Ph.D. Milica P. Milojević, Assistant Professor / Arch. Ivica Lj.Nikolić, Assistant Professor			
Status of the subject: compulsory (MASA_Module U), elective (IASA)			
Number of ECTS credits: 3			
Conditions: /			
Subject goal Understanding and applying the principles of forming spatial units from the macro to the micro spatial level, with a focus on understanding the urban assembly. Introduction to the different development paradigms and their spatial manifestations. Developing spatial patterns and models of urban assembly in relation to the dominant paradigm of urban politics of the 19th, 20th, and 21st centuries. Understanding the methodology of urban assembly research: criteria for identifying spatial units, analyzing, comparing, and classifying urban assemblies, and the possible application of research results as principles for creating new solutions.			
Outcome of the subject Adequate knowledge of urban design, planning, and the skills involved in the planning process. The graduate will acquire knowledge of: <div><div>1.</div><div>theories of urban design and the planning of communities;</div></div> <div><div>2.</div><div>the influence of the design and development of cities, past and present on the contemporary built environment;</div></div> <div><div>3.</div><div>current planning policy and development control legislation, including social, environmental, and economic aspects, and the relevance of these to design development.</div></div> Other outcomes: creating the atlases of specially valued and as such prominent spatial (urban) unities in Serbian cities			
Subject content <i>Theory</i> The lectures are organized into several sections: spatial levels, development paradigms, research methodology, and formative principles for creating spatial units. Students' individual work on a specific polygon consists of field research, and mentors conducted experiments and discussion of research results.			
Literature: Hall, P. & Ward, C. (1999). <i>Sociable cities. The Legacy of Ebenezer Howard</i> . Chichester: John Wiley & Sons Hall, P. (2014). <i>Cities of Tomorrow: An Intellectual History of Urban Planning and Design in the Twentieth Century</i> . Oxford: Blackwell Publishing. Hall (2013). <i>Good Cities, Better Lives: How Europe Discovered the Lost Art of Urbanism</i> . London: Routledge. Kostof, S (1999). <i>The City Shaped: Urban Patterns and Meanings Through History</i> . London: Thames & Hudson Kostof, S (2005). <i>The City Assembled: The Elements of Urban Form Through History</i> . London: Thames & Hudson			
Number of active teaching classes			Other: 0
Lectures: 3	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Lectures, experiments, discussions.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 40	Final exam	total points 60
activity during lectures	20	exam	40
colloquium(s)	40		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U
Name of the subject: STUDIO M02 U - DESIGN PROJECT_PARTICIPATIVE URBAN DESIGN
Teachers: Ph.D. Zoran N. Đukanović, Associate Professor
Status of the subject: compulsory for Module U
Number of ECTS credits: 15
Conditions: /
<p>Subject goal</p> <p>Introducing and empowering students to work in the field of participatory urban design, i.e., to expertly work on urban projects for complex urban areas with the active involvement of the public, local community and other relevant stakeholders in the processes of urban planning, design, and implementation.</p>
<p>Outcome of the subject</p> <p>The graduate will have the ability to:</p> <ul style="list-style-type: none"> • prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; • understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; • develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. <p>The graduate will acquire knowledge of:</p> <ul style="list-style-type: none"> • the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; • the influence of history and theory on the spatial, social, and technological aspects of architecture; • the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; • the creative use of the fine arts and their relevance and impact on architecture; • theories of urban design and the planning of communities; • current planning policy and development control legislation, including social, environmental, and economic aspects, and the relevance of these to design development. <p>The graduate will have an understanding of:</p> <ul style="list-style-type: none"> • the needs and aspirations of building users; • the impact of buildings on the environment, and the precepts of sustainable design; • how buildings fit into their local context; • the nature of professionalism and the duties and responsibilities of architects to clients, building users, constructors, co-professionals and the wider society; • the role of the architect within the design team and construction industry, recognizing the importance of current methods and trends in the construction of the built environment; • the potential impact of building projects on existing and proposed communities; • the need to critically review precedents relevant to the function, organization and technological strategy of design proposals; • the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context. <p>The graduate will have the skills to prepare designs that will meet building users' needs and comply with UK legislation, appropriate performance standards, and health and safety requirements.</p>
<p>Subject content</p> <p><i>Practical learning</i> involves exploring the development opportunities of complex urban spaces, as well as opportunities for enhancing them through the use of different participatory methods and techniques. The possibilities and limitations in which the urban design field finds its adequate role in the development processes of the city are explored, applying various methods and techniques that ensure the participation of the most relevant stakeholders in these processes.</p> <p>For the target area:</p> <ol style="list-style-type: none"> 1. the general characteristics will be defined for the broader thematic field in space-functional, natural-ecological, socio-cultural and also socio-organizational sense; 2. the specific features and qualities will be defined for the existing state of the problem subcontinent; local stakeholders relevant for the future urban development of the area will be analyzed and activated; adequate case studies in domestic and foreign practice will be comparatively explored; adequate methods and techniques for participatory urban design will be identified; 3. with the active involvement of selected stakeholders, the potentials of selected-proposed development programs will be explored, while also looking at the potential effects of the implementation of specific projects and exploring the possibilities of their territorial and / or thematic networking.

Literature:

Ђукановић, З. и Ђекини, А. Б. (уредници). (2019) *Неготинске пивнице: Партиципативни урбани дизајн*. Београд: Италијански институт за културу.

Ђукановић З., Ћилић М., Бобић А., Радловић Г. (2012) *VinoGrad - The Art of Wine*. Beograd: Arhitektonski fakultet Univerziteta u Beogradu, Public Art & Public Space.

Ђукановић З., Бобић А., Живковић Ј., и други. (2011) *Уметност у јавном простору*. Београд: Academica – академска група.

Ђукановић З., Cherubini A.R., Živkovic J. (2008) *Cità, Fiumi, Margini fluviali – Roma – Belgrado*. Beograd: Istituto Italiano di Cultura di Belgrado.

Day C. and Parnell R. (2003) *Consensus Design, Socially inclusive process*. Oxford: Architectural Press.

Number of active teaching classes

Lectures: 0

Exercises: 0

OFL: 9

SRW: 0

Other: 0

Method of carrying out the teaching

Interactive teaching, field work.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	total points 40	Final exam	total points 60
tasks	20	interpretation	15
colloquium(s)	20	concept	15
		project development	20
		presentation	10

Table 5.2 Specification of subject

Table 3.1.2 Specification of subject			
Study program: Master academic studies – Architecture_Module U			
Name of the subject: STUDIO M02 U - SEMINAR_PARTICIPATIVE URBAN DESIGN			
Teachers: Ph.D. Zoran N. Đukanović, Associate Professor			
Status of the subject: compulsory for Module U			
Number of ECTS credits: 2			
Conditions: /			
Subject goal Introducing and empowering students to work in the field of participatory urban design, i.e., to expertly work on urban projects for complex urban areas with the active involvement of the public, local community and other relevant stakeholders in the processes of urban planning, design, and implementation. Training to understand the reasons, methods, and procedures of participatory decision-making in the field of planning, design, and implementation of urban projects.			
Outcome of the subject The graduate will have the ability to develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The graduate will acquire knowledge of: <ul style="list-style-type: none">the cultural, social and intellectual histories, theories and technologies that influence the design of buildings;the influence of history and theory on the spatial, social, and technological aspects of architecture;the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach;theories of urban design and the planning of communities;the influence of the design and development of cities, past and present on the contemporary built environment;current planning policy and development control legislation, including social, environmental, and economic aspects, and the relevance of these to design development. The graduate will have an understanding of: <ul style="list-style-type: none">the needs and aspirations of building users;the impact of buildings on the environment, and the precepts of sustainable design;how buildings fit into their local context;the nature of professionalism and the duties and responsibilities of architects to clients, building users, constructors, co-professionals and the wider society;the potential impact of building projects on existing and proposed communities;the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context.			
Subject content <i>Theory</i> 1) Participation in urban design: roles and definitions; city and democracy; participation and sustainability; stakeholders; public participation; participation levels; participatory techniques; opportunities and limitations of participatory urban design; 2) Forms of participation: formal and informal; legal and legitimate; 3) Tools: stakeholder analysis; negotiation; conflict management; 4) Case studies.			
Literature: Ђукановић, З. и Ђекини, А. Б. (уредници). (2019) <i>Неготинске пивнице: Партиципативни урбани дизајн</i> . Београд: Италијански институт за културу. Jones P. B., Petrescu D., Till J. (2005) <i>Architecture and Participation</i> . London, New York: Spon Press. Radović D., Boontharm D. (2013) <i>In the Search of Urban Quality: 100 Maps of Kuhobutsugawa Street, Jiyyaoka; IKI (International Keio Institute for Architecture and Urbanism</i> . Tokyo: Flick Studio. Bull C., Boontharm D. and others (Eds.) (2007) <i>Cross-Cultural Urban design</i> . London: Routledge. Чолић Р. (2006) <i>Партиципативно планирање</i> . Београд: Задужбина Андрејевић.			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Interactive teaching.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 50	Final exam	total points 50
activity during lectures	30	seminary work	50
colloquium	20		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture
Name of the subject: A SUSTAINABLE CITY 3 – INSTRUMENTS OF TERRITORIAL MANAGEMENT
Teachers: Ph.D. Danijela M. Milovanović Rodić, Assistant Professor / Ph.D. Ratka P. Čolić, Assistant Professor
Status of the subject: compulsory (MASA_Module U), elective (IASA)
Number of ECTS credits: 3
Conditions: /
Subject goal Getting acquainted with the modern concept - origin, modalities, and instruments - of managing the territory and establishing a relationship with the traditional instruments of spatial development management - urban and spatial planning and urban and architectural design. Informing on current research and contemporary practice of planning and managing the development of the territory in EU countries and Serbia and equipping students for their critical thinking and practical application.
Outcome of the subject Students will acquire adequate knowledge of: <ol style="list-style-type: none"> 1. Current theories and development agendas relevant to understanding the contemporary concept of territorial development management, 2. Contemporary practice - characteristics, conditions and effects of the implementation of a new generation of territorial development management instruments, Theoretical aspects regarding urban design and planning of urban communities; 3. The current policy of managing the development of the territory and the Serbian legislation important for managing the development of the territory. Students will acquire the knowledge and skills necessary for: <ol style="list-style-type: none"> 1. Critical analysis and understanding of the characteristics of a specific territory/development context, 2. Choosing an instrument by an understanding of the particular territory/development context that could enable the integration of different development aspects, actors and sources of funding, but also integrated with other development management instruments, 3. Participation in the cooperative formulation of the instruments with other actors responsible for management / who are interested in the development of the territory, 4. Articulation of initiative and personal and professional responsibility.
Subject content <i>Theory</i> Within the theoretical part of the course, territory management and management instruments are considered within the framework of the concept of sustainable development and the integrated planning model, as well as in the context of current European Union development policies. The main objectives of the teaching process are to develop competencies for formulating management instruments in order to achieve sustainable territorial development. Students are introduced to topics specific to the local context (selected territory) and new territory management instruments.
Literature: Barca, F., 2009. An agenda for a reformed Cohesion Policy, A place-based approach to meeting European Union challenges and expectation. Independent Report for DGRegio, European Commission, Brussels EU (2007). Leipzig Charter on Sustainable Cities. EU (2010). Toledo Declaration. EU (2011). Cities of Tomorrow. EU (2016). Urban Agenda for the EU. Гаули, Ј, Чолић, Р. (2018). Стратегија интегралног урбаног развоја – Водич за градове и општине, AMBERO Consulting, представништво Београд, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ), Belgrade. Београд, децембар, 2018. Нови Сад: Artprint Media Healey, P. (2006). Transforming governance: challenges of institutional adaptation and a new politics of space. European Planning Studies, 14, 299-320. Innes, J. & Booher, D. (2010). Planning with Complexity: An Introduction to Collaborative Rationality for Public Policy. London and New York: Routledge Maruna, M. & Čolić, R. (Eds.) (2014). Integralni urbani projekti za razvoj centra Kragujevca: Katalog izložbe završnih radova generacije studenata 2012/13. Beograd: Univerzitet u Beogradu, Arhitektonski fakultet Maruna, M. & Čolić, R. (Eds.) (2015). Inovativni metodološki pristup izradi master rada: doprinos edukaciji profila urbaniste. Beograd: Arhitektonski fakultet & GIZ/AMBERO Beograd Milovanovic Rodić, D., Maruna, M. & Čolić, R. (2016). Instrumenti upravljanja integralnim urbanim razvojem na primeru grada Pančeva: Katalog izložbe završnih radova generacije studenata 2013/14. Beograd: Univerzitet u Beogradu,

Arhitektonski fakultet

Maruna M., Čolić R., Milovanović Rodić D. (2018). A New Regulatory Framework as both an Incentive and Constraint to Urban Governance in Serbia. In Bolay, J.C., Maričić, T., Zeković, S. (Eds.). A Support to Urban Development Proces. Belgrade: EPFL & IAUS

Milovanović Rodić D., Colic, R., Maruna, M. (2018). The Role of University in a Policy Making Process: Introducing Integrated Urban Projects for Effective Urban Governance in Serbia. In Anguillari, E., Dimitrijević, B. (Eds.). Integrated Urban Planning: Directions, Resources and Territories. TU Delft. Pp. 63-80

Milovanović Rodić, D. (2015). Local Development Strategies Without Strategic Thinking: Lost In Between Politicians' Games, Administrations' Rigidity And Planner's Depression. SAJ - Serbian Architectural Journal, University of Belgrade, Faculty of Architecture, vol. 7, no. 3, pp. 381 - 400

Petrović, M. (2014). Pretpostavke novog modela upravljanja okruženjem u Srbiji. Sociologija, Vol. LIV (2012), N° 1

Radosavljević, Z., Čolić, R., Mueller, H., Milić, Đ. & Trkulja, S. (2017). Polazišta za novu nacionalnu politiku održivog i integralnog urbanog razvoja u Republici Srbiji [Conference: The planning and normative protection of space and environment. 11-13. maj 2017, Subotica - Palić, Serbia

Чолић, Р. (2019). Успостављање стратешког оквира и националних програма урбаног развоја у Србији, у (ур.:А.Јевтић, Б.Драшковић). Зборник радова, Међународни научно стручни скуп 15. Летња школа урбанизма, Удружење урбаниста Србије и Републички геодетски завод, 30.мај-1.јун, 2019. Сомбор, стр.143-150.

Чолић, Р. (2018). Подстицање локалног одрживог и економског развоја кроз израду планова детаљне регулације, Канцеларија Уједињених нација за пројектне услуге- UNOPS, Академија, Београд, Март, 2018.

Čolić, R. (2015). Integrated Urban Development Strategy as an Instrument for Supporting Urban Governance. Serbian Architectural Journal, 7(3), 317-342.

Čolić, R., Maruna, M., Milovanović Rodić, D., & Lalović, K. (Eds.). (2015). Integralni urbani projekti za upravljanje rizikom od poplava na primeru Obrenovca: katalog izložbe završnih radova generacije studenata 2013/14. Beograd: Univerzitet u Beogradu, Arhitektonski fakultet.

Čolić, R., Milovanović Rodić, D., & Maruna, M. (2017). Instrumenti upravljanja urbanim razvojem u novom legalnom okviru. Conference: The planning and normative protection of space and environment. 11-13. May 2017, Subotica - Palić, Serbia.

Čolić, R., Mojović, Đ., Petković, M., Čolić, N. (2013). Guide for Participation in Urban Development Planning. Belgrade: GIZ/AMBERO-ICON.

UN-HABITAT (2017). New Urban Agenda.

UN (2015). Transforming our world: The 2030 agenda for sustainable development.

Number of active teaching classes				Other: 0
Lectures: 3	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching				
Lectures, field visits, group discussions, workshops, interviews with experts, small-scale written and graphic works (colloquiums), and seminary paper				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		total points 70	Final exam	total points 30
activity during lectures		30	written exam	25
colloquium(s)		40	oral exam	5

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U	
Name of the subject: STUDIO M03 U_SUSTAINABLE TERRITORIAL DEVELOPMENT	
Teachers: Ph.D. Biserka Č. Mitrović, Associate Professor	
Status of the subject: compulsory for Module U	
Number of ECTS credits: 12	
Conditions: Attending elective course Urban regulation.	
Subject goal Introducing students to the basics of territorial development in specific natural, social and spatial conditions; Mastering, adopting and applying different theoretical and practical approaches to planning in the natural environment, based on ecological, cultural, social and economic sustainability; Understanding and applying knowledge in the field of the urban planning process with familiarization and implementation of the current regulatory framework in Serbia; Mastering the field research in cooperation with the local community; Creating urban solutions following real and complex requirements and constraints of the local community.	
Outcome of the subject Mastering the methodological framework and process of creating solutions in the field of urban planning and design within the natural resource with specific characteristics. Mastering the skills and knowledge in the field of creating urban planning solutions required to work in professional practice. Understanding the process and methods of field research, while mastering application in a specific urban task.	
Subject content <i>Theory</i> Theoretical teaching provides the basis for understanding and acquiring knowledge in the field of urban and spatial planning and other fields, to create plan solutions in the protected natural property, within the applicative part of the subject. In this sense, the theoretical part refers to the morphological, climatic, ecological, construction, social, economic, and other characteristics of the area on the one hand. On the other hand, it forms a framework for creating contemporary urban solutions in the context of sustainable urban planning and design. The thematic units are specifically related to sustainable rural development, sustainable tourism, sustainable transport, a balanced network of settlements, natural and cultural landscape, etc. <i>Practical learning</i> Within the first part, the task consists of exploring the theoretical and planning basis, field research, and cooperation with representatives of the local community. In contrast, the second part deals with the creation of an urban solution in conjunction with the protected natural environment, the needs and interests of the local community, the possibilities and limitations of spatial, economic, cultural, and social development. Within the practical learning, the natural environment includes an area with exceptional natural values such as a national park, nature park, landscape of special natural features, etc. By its special requirements, it determines a unique approach to planning and design, defining concepts, knowledge in related fields, etc.	
Literature: Harvey S., Fieldhouse K., Hopkins J. (2005): The Cultured Landscape: Designing the environment in the 21st century, Routledge, London, New York. Mitković P., Mitrović B., Mitković M., Djurić J. (2016): Conceptual framework for the locally sensitive sustainable development of public services - a case study of the municipality of Kuršumlija, Facta Universitatis - Series: Architecture and Civil Engineering, vol. 14, no. 3, 2016 (ISSN 0354-4605 (Print), ISSN 2406-0860 (Online)) Mitrović B., Vuković T., (2019): Implementing sustainable planning of Smederevo territory through concepts of agro-tourism and healthy city, in Integrative strategic planning and design for the strengthening of identity and cultural tourism in the Danube cities - Smederevo, pp. 54 - 69, 978-86-7924-214-3, Mitrović B., Maric J., Vuković T. (2018): Land use and master planning under the pressure of informal city growth: a case study of Belgrade, Integrated urban planning: directions, resources, and territories, Integrated urban planning: directions, resources, and territories, pp. 191 - 213, ISBN 978-94-6366-033-4. Abrahams, G. (2014). What "Is" Territorial Cohesion? What Does It "Do"? Essentialist Versus Pragmatic Approaches to Using Concepts, European Planning Studies, 22:10, pp 2134-2155. Bell, S. & Morse (2003): Measuring sustainability – learning by doing, London: Earthscan Publications Ltd Berke, P. (2002): Does Sustainable Development Offer a New Direction for Planning? Challenges for the Twenty-First Century, Journal of Planning Literature 17, SAGE Agyeman, J., Bullard, D. R, Evans B. (eds) (2003): Just sustainabilities – Development in an Unequal World, London: Earthscan Publications Ltd.	
Number of active teaching classes	Other: 0

Lectures: 1	Exercises: 0	OFL: 6	SRW: 0	
Method of carrying out the teaching Interactive teaching, research work, field research, cooperation with relevant local experts and representatives of the local community, joint and individual presentations and debates, exhibitions to representatives of the local community, etc.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 40	Final exam	total points 60	
activity during lectures	10	study project and oral exam	60	
colloquiums	30			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U				
Name of the subject: VOCATIONAL PRACTICE U				
Teachers: Ivica Lj. Nikolić, Assistant Professor				
Status of the subject: compulsory for Module U				
Number of ECTS credits: 3				
Conditions: /				
Subject goal Teaching aims to apply and further improve the acquired academic knowledge in practice. Students are introduced to various stages of the process of realization of urban technical documentation (plans, studies, etc.), from the initial stages of preparation, research, adoption, and adoption of necessary acts, various other types of work and research in the home field of urbanism and urban policies, up to the level of development and realization of urban projects and plans.				
Outcome of the subject Understanding the processes and practical procedures of preparation, realization, and implementation of urban projects, studies, and plans. Gaining knowledge of who are participants in these processes and their competences, positions in the process and authority, as well as the position of tasks and authority of the urban planner/architect in the process of implementation of law defined urban documentation.				
Subject content Students spend three working weeks in the project bureau, government bodies, non-governmental organizations as collaborators in the implementation of plans, as well as the various projects, studies in the field of urbanism. In this way, students directly get acquainted with the essential elements of work in the field of urbanism. Also, in general, with all mechanisms of conditionality and influence of related areas in the complex process of planning, arrangement, and construction of cities. The work plan is defined in agreement with the employer and headteacher within the framework of the assigned tasks. During practice, the student writes a journal of vocational practice and seminary work.				
Literature: /				
Number of active teaching classes				Other: 90
Lectures: 0	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching The student selects an architectural bureau or other institution where he/she will conduct vocational practice / in the country or abroad /. Practical work within the elected bureau, state bodies, or non-governmental organization.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		total points 50	Final exam	total points 50
journal of vocational practice		50	seminary work	50

COMPULSORY COURSES - Module AT

Module ARCHITECTURAL TECHNOLOGY

Table 5.2 Specification of subject

Specification of subject				
Study program: Master academic studies – Architecture_Module AT / Integrated academic studies of architecture				
Name of the subject: ENERGY IN BUILDINGS				
Teacher(s): Associate Professor Ph.D. Aleksandar N. Rajčić (1), Professor Ph.D. Ana P. Radivojević				
Status of the subject: compulsory (MASA_Module AT) / elective (IASA)				
Number of ECTS credits: 2				
Conditions: /				
Subject goal				
Acquaintance with the characteristic problems in the domain of building physics, which in different ways treat the issue of energy in buildings and are directly related to the aspect of the comfort of living (thermal and air comfort). Mastering the basic elements and principles of calculating the energy performance of buildings.				
Upon the completion of the course, the student should better understand the importance that an adequate (design) attitude to the energy issue in buildings has for its overall behavior, as well as to master the basic knowledge necessary to calculate and check the relevant characteristics of the building, its envelope as starting elements in the procedure for calculating the total energy performance of buildings.				
Outcome of the subject				
The student will understand:				
<ul style="list-style-type: none">- Heat comfort in buildings and design principles and specific calculations- Relationship between design requests and requests of regulation in case of energy efficiency of buildings				
Subject content				
Lectures aim to present answers to actual questions in the domain of building physics, which are related to the problems of energy in buildings. Problems which are considered in the lectures are: present trends in the area of energy in buildings – energy preservation, energy efficiency, embedded energy, the evolution of the relations to the thermal protection of buildings, the concept of energy performances of buildings, and adequate European and domestic regulation, thermal comfort, thermal energy in buildings – heat energy transfer through construction – types of construction and material characteristics, air quality in rooms, heat accumulation, the energy of Sun and building – problems of solar gains and heat stability of buildings in the summer period, heat losses and shape factors of building, total energy need of building – concept.				
The student will be trained on the adequate example of own project (from previous studies), and in accordance to the actual regulation of Republic of Serbia, to verify the basic parameters of energy efficiency of own project in case of forming energy passport (energy certification) by the use of (free) relevant software. The product of this phase is the Study, which also presents a seminar paper and exam paper.				
Literature				
<ul style="list-style-type: none">- Szokolay, Steven: Introduction to Architectural Science, Architectural Press, 2004.- Vilems, Wolfgang, Kai Šild i Simone Dinter: Građevinska fizika 1 i 2, Građevinska knjiga, 2008.- Hauslanden, Gerhard et al.: Climate Design, Birkhauser, 2005.- Harris, Cindy and Pat Borer: The Whole House Book, 2nd ed., Centre for Alternative Technology, 2005.- Danijels, Klaus: Tehnologija ekološkog građenja, Jasen, Beograd, 2009.- Изводи са предавања и одабрани текстови из стручне периодике.- DIRECTIVE 2010/31/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 May 2010 on the energy performance of buildings (recast)- Правилник о енергетској ефикасности зграда (Сл.гласник РС 61/2011)				
Правилник о условима, садржини и начину издавања сертификата о енергетским својствима зграда(Сл.гласник РС бр. 69/2012, Београд,)				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching				
Lectures ex-cathedra, presentation and analysis of case studies with discussion and active student participation, interactive work, consultations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	40			
		Seminar(s)		50

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture _ Module AT / Integrated academic studies of architecture			
Name of the subject: MANAGEMENT IN ARCHITECTURE			
Teacher(s): Assistant Professor Ph.D. Tatjana S. Jurenić			
Status of the subject: compulsory (MASA_Module AT) / elective (IASA)			
Number of ECTS credits: 3			
Conditions: /			
Subject goal The course aims to acquaint the student with the project management methodology, with the specifics and ways of applying it to projects in architecture.			
Outcome of the subject Students acquire knowledge in the field of project management. Understanding the roles of project participants, functional areas of management, as well as procedures for organizing, monitoring, coordinating, and controlling project processes.			
Subject content <i>Theory</i> Introducing students to the history and development of project management science. Business in architecture, fundamentals of organizational management, administration and management of architectural practice. Functional areas of project management: scope, time, cost, personnel, risks, quality, procurement, communications, and integration. Specificities of project management in architecture. Roles and interrelations of project participants. <i>Practical learning</i> Preparation of seminar paper - analysis of the procedure of consulting of investors in the selection of location, the process of drafting technical documentation, obtaining the necessary permits and approvals, and the management of the completed facility. A seminar paper is made on the selected example of the project from practice.			
Literature 1. Петар Јовановић, "Управљање пројектима", Висока школа за пројектни менаџмент, Београд, 2 2. Група аутора, "Методе и технике управљања пројектима", Факултет организационих наука, Београд, 2007. 3. Бранислав Ивковић, Жељко Поповић, "Управљање пројектима у грађевинарству", СДПР, ИП Наука, Београд, 1998.			
Number of active teaching classes			Other: /
Lectures: 3	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Theoretical lectures, presentations, case study analysis, group discussion.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	20	Oral exam	
colloquium	30		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture _ Module AT / Integrated academic studies of architecture				
Name of the subject: VOCATIONAL PRACTICE AT				
Teacher(s): Assistant Professor Ph.D. Tatjana S. Jurenić				
Status of the subject: compulsory (MASA_Module AT)				
Number of ECTS credits: 3				
Conditions: /				
Subject goal The professional practice aims to apply the acquired knowledge and to test it in practice. Acquisition of direct practical knowledge and experience: in project bureaus, in the realization of architectural objects, in public and other institutions where the process of architectural design or scientific/artistic research work takes place. Gaining experience in teamwork in the process of architectural design and realization of architectural objects.				
Outcome of the subject Upon completion of professional practice, the student is expected to be able to directly apply scientific, artistic, professional, and theoretical knowledge and practical procedures in the realization of architectural and urban projects. Understanding the current practice of architectural design; Understanding the socio-economic framework of architectural interventions; Ability to integrate acquired knowledge; Application of acquired skills; Teamwork ability; Awareness of the role of the architect in contemporary society; Understanding professional ethics and codes of conduct.				
Subject content Professional practice at this level of study is based on the application of knowledge acquired in previous years of study in the form of project analysis in the company where the practice is carried out. Emphasis is placed on a critical review of the project through the presentation of the selected project according to the technical description, then analysis of the given conditions and applicable regulations and how the project responded to them and, finally, to the complete expert review of the project, to problems in the design process and/or implementation, as well as an analysis of the solutions that came from the project.				
Literature Legislation in the field of design and construction of buildings.				
Number of active teaching classes				Other: 90
Lectures: /	Exercises: /	OFL: /	SRW: /	
Method of carrying out the teaching The student himself chooses a project bureau, a construction company - a construction site where he will conduct professional practice in the country. Work at a bureau or construction site and preparation of seminar paper.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures		Written exam	50	
Practical teaching	50	Oral exam		
colloquium				
Seminar(s)				

COMPULSORY COURSES - Module AE

Module ARCHITECTURAL ENGINEERING

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE
Name of the subject: STUDIO M01 AE - DESIGN PROJECT _ SPATIAL STRUCTURES
Teacher(s): dr Jelena Ž. Milošević, assistant professor
Status of the subject: compulsory for Module AE
Number of ECTS credits: 15
Conditions: /
Subject goal <p>The objective of the course is to introduce students with the complex problem of spatial structures in architecture and methods of their design. During the work, we test approaches, procedures, technologies, and tools that enable the design and construction of spatial structures through implementation into the process of designing unconventional, rational, sustainable architectural buildings in a specific context.</p>
Outcome of the subject <p>The student is expected to acquire the skills associated with designing an architectural project that meets aesthetic and technical requirements; knowledge of the history and theory of architecture and related arts, technologies and social sciences, especially knowledge related to the problem of spatial structures in architecture; understanding of the relationship between a person and a building, and between a building and its environment; then methods of research and preparation of design tasks, as well as understanding of structural systems of construction and structural problems relevant to architectural design.</p> <p>_ The student will have the ability to:</p> <ul style="list-style-type: none"> - prepare and present building design projects of different scale, complexity and type in a variety context, using a range of media (techniques), and in response to a brief; - understand the construction and structural systems, environmental strategies and the regulatory (legal) requirements that apply to the design and construction of a comprehensive design project; - develops a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of the building and the technical requirements of its construction and the needs of the user. <p>_ The student will have the knowledge to:</p> <ul style="list-style-type: none"> - apply appropriate theoretical concepts during design in the studio, demonstrating a thoughtful and critical approach; - apply the principles of constructing and shaping spatial structures during the design of buildings. <p>_ The student will have an understanding of:</p> <ul style="list-style-type: none"> - needs and aspirations of building users; - the impact of buildings on the environment, and the percepts of sustainable design; - the way in which buildings will fit in to their local context; - the need to critically review precedents relevant to the function, organization, and technological strategy of design proposal; - the investigation, critical evaluation and selection of alternative structural, construction and material system relevant to architectural design; - strategies for building construction, and the ability to integrate the knowledge of structural principles and construction techniques; - the physical properties and characteristics of building materials, components and systems, and the environmental impact of specific choices; - methods of generation, analysis and optimization of spatial structures and ways of manipulation of models and performance in the process of architectural design.
Subject content <i>Theory</i> <p>Theoretical teaching includes presentations related to typologies and morphologies of spatial structures, processes and procedures for their generation, analysis and optimization, materialization and fabrication. The presentations provide students with the theoretical and methodological</p>

knowledge and skills needed to complete the project assignment.

Practical learning

Practical teaching is designed as research by design and involves working on a specific task as a basis for forming a methodological procedure and perfecting the individual design process. The project task defines a thematic framework - research problem, spatial framework – location, and program framework - a function of the building. Work on the project is realized through a process that involves and combines stages: analysis and case studies; spatial structure generation; proposal, elaboration, and presentation of the conceptual architectural-urban design and conceptual design of the structural system. The process-oriented approach and focused assignments encourage students to develop more in-depth content knowledge as well as a range of skills and competencies in the context of working on an authentic project. The specificity of the studio is that in the design process, special attention is paid to model studies of spatial structures.

Literature

Literature and other learning and work resources are defined in accordance with the specific theme of the project, and include units that address:

- individual typologies of spatial structures and problems of their generation, analysis, optimization, and fabrication;
- specified thematic framework and
- research by design methodology.

Number of active teaching classes

Lectures: 1

Exercises: 0

OFL: 9

SRW: 0

Other: /

Method of carrying out the teaching

Various forms of work are applied in the realization of teaching, such as interactive forms of teaching, lectures and demonstrations, case studies, individual and group projects, research projects, discussions, presentations, etc.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Project elaborate and defense of elaborate	60
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE			
Name of the subject: STUDIO M01 AE - SEMINAR_ MATHEMATICS 2			
Teacher(s): dr Ivana V. Jovović, associate professor			
Status of the subject: compulsory for Module AE			
Number of ECTS credits: 2			
Conditions: /			
Subject goal Introducing students to selected mathematics topics that are applicable in the field of structural systems.			
Outcome of the subject Understanding mathematical concepts and possibilities of their application in structural systems and generating geometric shapes in general.			
Subject content <i>Theory</i> Lectures in the field of matrix and differential calculus. Introduction to differential geometry. <i>Practical learning</i> In the course, we are solving computational tasks in the field of matrix calculus and solving problematic geometric tasks in Differential Geometry. Parametrization of curves and surfaces in space using the Grasshopper graphical-algorithmic editor.			
Literature Dr Dušan Belajčić, Determinante i matrice, Naučna knjiga, Beograd, 1993. Dr Dušan Belajčić, Diferencijalni i integralni račun, Naučna knjiga, Beograd, 1993.			
Number of active teaching classes			Other: /
Lectures: 1	Exercises: 1	OFL: 0 SRW: 0	
Method of carrying out the teaching Lectures with active participation of students.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	20	Written exam	40
Practical teaching	20	Oral exam	
colloquium	20		
Seminar(s)			

Table 5.2 Specification of subject

S12 Specification of subject			
Study program: Master academic studies Architecture _ Module AE			
Name of the subject: DYNAMICS OF STRUCTURES			
Teacher(s): dr Radojko M. Obradović, assistant professor			
Status of the subject: compulsory for Module AE)			
Number of ECTS credits: 3			
Conditions: /			
Subject goal			
The students are introduced to the difference between static and dynamic impacts, the types of dynamic impacts, and the requirements that a building has to meet in order to have the required safety and security.			
Outcome of the subject			
Acquiring the necessary knowledge that enable the design of buildings resistant to dynamic influences.			
Subject content			
Theory			
Within the course, students are introduced to the types of dynamic influences (earthquake, wind, vibration), the elements that are most effective for increasing the safety and resilience of buildings to this type of impact, and approximate determination of their dimensions and arrangement in the building.			
Practical learning			
/			
Literature			
S.P. Timošenko, D.H. Jang, <i>Teorija konstrukcija</i> , Beograd:Građevinska knjiga, 1968.			
Milan Đurić, <i>Stabilnost i dinamika konstrukcija</i> , Beograd: Građevinski fakultet Univerziteta u Beogradu, 1980.			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching			
Ex-cathedra lectures are conducted during the course, case studies and examples of facility calculations are analyzed, and active participation in discussions is encouraged.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	50	Written exam	50
Practical teaching		Oral exam	
colloquium			
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE
Name of the subject: STUDIO M02 AE - DESIGN PROJECT _DESIGNING HIGH BUILDINGS
Teacher(s): dr Dejan T. Vasović, assistant professor
Status of the subject: compulsory for Module AE
Number of ECTS credits: 15
Conditions: /
Subject goal Training students to design, construct, and calculate the architecture and structure of a multi-story reinforced concrete skeletal building.
Outcome of the subject Ability to create architectural designs that satisfy both aesthetic and technical requirements. The student will have the ability to: <ol style="list-style-type: none"> 1. prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; 2. understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; 3. develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. Adequate knowledge of the histories and theories of architecture and the related arts, technologies and human sciences. The student will have the ability to: <ol style="list-style-type: none"> 1. apply appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach. Knowledge of the fine arts as an influence on the quality of architectural design. The student will have the ability to: <ol style="list-style-type: none"> 1. the creative application of the fine arts and their relevance and impact on architecture; 2. the creative application of such work to studio design projects, in terms of their conceptualisation and representation. Understanding of the relationship between people and buildings, and between buildings and their environment, and the need to relate buildings and the spaces between them to human needs and scale. The student will have an understanding of: <ol style="list-style-type: none"> 1. the way in which buildings fit in to their local context. Understanding of the profession of architecture and the role of the architect in society, in particular in preparing briefs that take account of social factors. The student will have an understanding of: <ol style="list-style-type: none"> 1. the nature of professionalism and the duties and responsibilities of architects to clients, building users, constructors, co-professionals and the wider society; 2. the role of the architect within the design team and construction industry, recognising the importance of current methods and trends in the construction of the built environment; Understanding of the methods of investigation and preparation of the brief for a design project. The student will have an understanding of: <ol style="list-style-type: none"> 1. the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; 2. the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; 3. the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation. Understanding of the structural design, constructional and engineering problems associated with building design.

The student will have an understanding of:

1. the investigation, critical appraisal and selection of alternative structural, constructional and material systems relevant to architectural design;
2. strategies for building construction, and ability to integrate knowledge of structural principles and construction techniques;
3. the physical properties and characteristics of building materials, components and systems, and the environmental impact of specification choices.

Adequate knowledge geophysical problems and technologies and the function of buildings so as to provide them with internal conditions of comfort and protection against the climate.

The student will have knowledge of:

1. principles associated with designing optimum visual, thermal and acoustic environments;
2. systems for environmental comfort realised within relevant precepts of sustainable design.

Subject content

Theory

Theoretical learning is an extension of knowledge in the field of design and calculation of buildings and structures. It includes the following: a critical analysis of examples of tall objects in our country and the world (theoretical concepts, social, spatial and economic bases, structural and construction constraints and conditions), the methodology of designing tall buildings, conditions, and restrictions, impact on the social and the built environment, determination of the program concept, urban, architectural and structural assembly, special requirements for valid regulations of the load-bearing capacity, stability and safety, the possibility of applying specific systems and materials for the construction, envelope, and interior infrastructure of the building.

Practical learning

Practical learning is carried out on the development of the conceptual architectural and structural design of the building, which contains the application of previously acquired knowledge, and includes the following: development of the preliminary urban and architectural design; defining the concept of building's structure; the choice of material characteristics for the building's structural elements; selection of the optimal solution of the basic static system of structure in accordance with the conditions of production, transportation, assembly and economy; designing the geometry and layout of the structural elements of a building; determining the effects on the construction of multi-story buildings and transferring loads; calculation of structural elements of a multi-story building; ensuring the spatial stability of the structure of the building; designing details of connections of structural elements.

Literature

Gunel M. H., Ilgin H. E., (2014) Tall Buildings – Structural Systems and Aerodynamic Form, Routledge.
 Peck M. ed., et al., (2014) Modern Concrete Construction Manual, IIA-D.
 Engel, H. (1997). Tragsysteme/Structure Systems, 5th Edition, Hatje Cantz.

Number of active teaching classes

Lectures: 1	Exercises: 0	OFL: 9	SRW: 0	Other: /

Method of carrying out the teaching

Teaching is conducted through lectures, discussions, exercises, and workshops. Individual work with each student is carried out on his individual architectural solution, through the design and calculation of the structural system of the building.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	points	Final exam	points
Activity during lectures	20	Interpretation	10
Practical teaching		Concept	20
colloquium	20	Development	20
Seminar(s)		Presentation	10

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE			
Name of the subject: STUDIO M02 AE - SEMINAR_ THE MECHANICS OF SOILS AND FOUNDATION			
Teacher(s): dr Aleksandra S. Nenadović, assistant professor			
Status of the subject: compulsory for Module AE			
Number of ECTS credits: 2			
Conditions: /			
Subject goal The objective of the course is to familiarize students with the principles of determining the method of the foundation of architectural buildings and the optimality of application of individual solutions, depending on the structural system of the building and geomechanical characteristics of the soil, as well as the way of construction and economy. Students are introduced to the basics of geomechanical soil properties, the procedures of dimensioning of reinforced concrete structural elements of buildings' foundation, the interaction of soil and foundation structure, as well as the technology of construction of certain types of foundations.			
Outcome of the subject Students should master the basics of the logic of designing and construction the foundations of architectural buildings, which should be based on research, critical evaluation, and the choice of alternative solutions.			
Subject content <i>Theory</i> The course deals with basic concepts about soil, its origin, and structure, physical and mechanical properties. The design, calculation, and structural details of the basic types of foundations of architectural buildings are studied, including the strip foundation, the foundation counter beam, the foundation counter plate, the foundation singles, and piles. The topics also include the types of protection of the foundation pits, ways of erecting adjacent buildings, as well as retaining walls. <i>Practical learning</i> /			
Literature Milan Glišić: „Fundiranje arhitektonskih objekata, betonske konstrukcije – prvo poglavlje“, Arhitektonski fakultet Univerziteta u Beogradu i Orion Art, Beograd, 2004. Stevan Stevanović: „Fundiranje I“, Naučna knjiga, Beograd, 1989. Miloš Lazović, Marija Vukićević, Selimir Lelović: „Zbirka zadataka iz fundiranja“, Građevinski fakultet, Beograd, 1995. Milan Maksimović: „Mehanika tla“, AGM knjiga, Beograd, 2008.			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Ex-cathedra lectures, individual consultations and individual student work.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	20	Written exam	40
Practical teaching		Oral exam	
colloquium	40		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE				
Name of the subject: RECONSTRUCTION OF ARCHITECTURAL FACILITIES				
Teacher(s): dr Nenead D. Šekularac, full professor				
Status of the subject: compulsory for Module AE				
Number of ECTS credits: 3				
Conditions: /				
Subject goal <p>Students are obtaining the necessary knowledge in this field with an acquaintance with the logic of construction and reconstruction in order to change the purpose of space, as well as rehabilitation and elimination of problems caused by various causes: uneven settling of the soil, the effects of earthquakes, inadequate construction or maintenance, fire, as well as due to age of the building - structures.</p> <p>The aim of teaching in this subject is also to become acquainted with the static-constructive protection of architectural heritage monuments as the most important part of the process of their overall protection. Through the teaching in this course, the existing knowledge in the field of structural statics, architectural structures, and protection of the architectural heritage is improved as part of the necessary knowledge in the successful mastering of the curriculum in master academic studies of architecture.</p>				
Outcome of the subject <p>The acquisition of new knowledge in this field is possible through the application of modern technical and technological solutions in the field of reconstruction of architectural buildings, with the application of modern principles of rehabilitation and protection; getting acquainted with extensive and significant practical experience applied to contemporary architectural buildings as well as to buildings of the architectural past. The knowledge acquired through theoretical classes in this subject represents a matter necessary for further successful work on master studies of architecture, which relate to the reconstruction and materialization of an architectural building.</p>				
Subject content <p><i>Theory</i></p> <p>The problem of reconstruction and rehabilitation of architectural buildings, through the methods of structural rehabilitation of foundations, walls, floors, arches, vaults, domes, chimneys and other parts of architectural buildings, is an inexhaustible area of research and work and is treated from the aspect of static-structural protection, materialization, and details, as well as the application of acquired knowledge in practice - in the process of reconstruction and rehabilitation of architectural buildings.</p> <p><i>Practical learning</i></p>				
Literature <ul style="list-style-type: none">- Milorad Dimitrijević, Statičko konstruktivni problemi u zaštiti graditeljskog nasleđa, Univerzitet u Beogradu Arhitektonski fakultet, Beograd, 1984. године;- Pravilnik o tehničkim normativima za sanaciju, ojačanje i rekonstrukciju objekata visokogradnje oštećenih zemljotresom i za rekonstrukciju i revitalizaciju objekata visokogradnje;- Zbirka jugoslovenskih pravilnika i standarda za građevinske konstrukcije knjiga 1 – dejstvo na konstrukciju, 1995, Građevinski fakultet, Univerziteta u Beogradu, Beograd;- the literature required for the work on the subject, depending on the assignment, will be prepared by the teacher and made available to students.				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching <p>Classes are conducted through a combination of several different forms of work such as ex- cathedra lectures, case analysis, interactive classes, active participation in discussions, work on the production of seminar papers and graphic contributions (individually or in groups - two members).</p>				

Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	20	Written exam	40
Colloquium 1	10	Oral exam	20
Colloquium 2	20		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE				
Name of the subject: STUDIO M03 AE				
Teacher(s): dr Nenead D. Šekularac, full professor (1), dr Jefto T. Terzović, assistant professor				
Status of the subject: compulsory for Module AE				
Number of ECTS credits: 12				
Conditions: /				
Subject goal <p>The course aims to improve, expand and acquire new knowledge in the field of design and calculation of building structures, which in accordance with their purpose and functional organization, require large spans of basic structural elements.</p>				
Outcome of the subject <p>The students gain the ability to connect and implement previously acquired general and specific knowledge as well as skills in the field of architectural design with the application of large-span wooden and metal structures.</p> <p>The student develops skills of a complex, critical, and rational approach both in terms of research work and practical verification through the architectural design proposal, which contributes to its further development and influence on overall competences.</p>				
Subject content <p><i>Theory</i></p> <p>Theoretical teaching is an extension of knowledge in the field of design and calculation of buildings' structures and includes the following: defining the concept of building's structure, selection of materials for structural elements of the building; selection of the optimal solution of the basic static system of structure in accordance with the conditions of transportation, assembly and economy; ensuring the spatial stability of the building's structure; building's materialization in the function of geometry and arrangement of the building's structural elements, as well as the hierarchy of load transfer, the concept of details of the connection of the structural elements, etc.</p> <p><i>Practical learning</i></p> <p>Practical learning is the development of preliminary design and structural design project, which contains the application of previously acquired knowledge. The structural design of a building includes the development of plans of positions of structural elements, load analysis, static analysis, dimensioning, the concept of connections of structural elements, and workshop documentation as needed.</p>				
Literature <ul style="list-style-type: none"> – Nenad Šekularac: <i>Drveni rešetkasti nosači – projektovanje, proračun i izvođenje krovnih konstrukcija</i>, Univerzitet u Beogradu – Arhitektonski fakultet; Beograd, 2017. godine; – N. Šekularac, Neda Džombić: <i>Praktikum iz predmeta Projektovanje i proračun konstrukcija 2 – osnove drvenih konstrukcija</i>, Univerzitet u Beogradu – Arhitektonski fakultet, 2019. godine; – J. Terzović, A. Kontić: <i>Praktikum iz predmeta Projektovanje i proračun konstrukcija 2 – osnove metalnih konstrukcija</i>, Univerzitet u Beogradu – Arhitektonski fakultet, 2019. godine; – D. Buđevac, Z. Marković, D. Bogovac, D. Tošić: <i>Metalne konstrukcije 1 i 2</i>, Građevinski fakultet u Beogradu, Geosknjiga, Beograd, 1999. godine; – Vojislav Kujundžić, Dragoslav Tošić: <i>Metalne i drvene konstrukcije</i>, Zavod za udžbenike i nastavna sredstva, Beograd, 1995. godine; – Vojislav Kujundžić: <i>Savremene drvene konstrukcije</i>, Građevinska knjiga, Beograd, 1989. godine; – Milan Gojković, Dragoslav Stojić: <i>Drvene konstrukcije</i>, Građevinski fakultet u Beogradu, Geosknjiga, Beograd, 1996. godine; – Milan Gojković, Boško Stevanović, Milorad Komnenović, Sreto Kuzmanović, Dragoslav Stojić, <i>Drvene konstrukcije</i>, Građevinski fakultet u Beogradu, Beograd, 2007. godiner; – Thomas Herzog, Julius Natterer et. al: <i>Timber Construction Manual</i>, Birkhauser, Basel, 2004.; <p>The literature required to work on the subject, depending on the assignment, will be prepared by the teacher and made available to students.</p>				
Number of active teaching classes				Other: /
Lectures: 1	Exercises: 0	OFL: 6	SRW: 0	

Method of carrying out the teaching			
Teaching is conducted through lectures ex-cathedra, exercises, and workshops, individual work with each student on a separate problem of design and calculation of the structural system of the building.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Interpretation	15
Colloquium 1	10	Concept	15
Colloquium 2	20	Development	20
Seminar(s)		Presentation	10

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE				
Name of the subject: VOCATIONAL PRACTICE – AE				
Teacher(s): dr Jefto T. Terzović, assistant professor				
Status of the subject: compulsory for Module AE				
Number of ECTS credits: 3				
Conditions:				
Subject goal Introducing students to the practical work of the architectural engineer and the operating processes and procedures used to solve real-world engineering tasks.				
Outcome of the subject Mastering basic skills related to the practical work of the architectural engineer and with the operational processes and procedures used in solving real-world engineering tasks.				
Subject content <i>Theory / Practical learning</i> Work in architectural office and/or at the construction site. Consultation with the teacher during the practice period.				
Literature				
Number of active teaching classes				Other: 90
Lectures: 0	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching Work in architectural office and/or at the construction site. The student actively participates in execution of practical tasks of engineering practice.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures		Written exam		
Practical teaching		Oral exam		
colloquium		Certificate of completed practice	100	
Seminar(s)				

ELECTIVE COURSES

ELECTIVE COURSES FOR ALL MODULES

Module – A, Module – U, Module – AT, Module – AE

THEORETICAL DISCOURSE 1

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: RESIDENTIAL ARCHITECTURE OF SERBIA IN THE 19TH AND EARLY 20TH CENTURY				
Teacher(s): Associate Professor Ph.D. Aleksandar M. Ignjatović				
Status of the subject: Elective				
Number of ECTS credits: 2				
Conditions:				
Subject goal <p>The objective is to present and examine the diverse relationships between architectural culture and society in Serbia and the neighboring countries at the time of their national and civic emancipation, from the beginning of the "long 19th century" to the end of the "short 20th century" (1789 -1914; 1914-1991). The goal is to trace the development of architecture not only through the observation of architectural styles - from neoclassicism to postmodernism - the most significant architectural works and authors but also as an integral part of a complex system of creating collective identities. The specific goal is to notice not only the characteristics of national architectural cultures, but their pervasiveness and dependence on identical and multi-operative meta-narratives: authenticity, self-identity, exceptionalism; imperialism, modernization, historicity; revolution and evolution. An integral part of the subject is the critical analysis of national architectural historiographies and their role in the aforementioned social processes, as well as the multiplicity of connections between architecture as a phenomenon, its interpretation, and political instrumentalization.</p>				
Outcome of the subject <p>Students learn about the complex and dynamic development of architecture in Serbia and the countries of the region in two ways: on the one hand, in terms of architectural styles and forms, dominant ideas and movements, authors and social and political protagonists; and on the other hand in terms of the ways and forms through which national architectural cultures participated in the wider social and political processes that marked the 19th and 20th centuries. Also, students acquire competencies for critical observation of national architecture, as well as analytical insights into the roles of different narratives about the nation expressed in the language of architecture.</p>				
Subject content <p><i>Theory learning</i></p> <p>The subject content is implemented through a diachronic analysis of architectural culture in Serbia and the countries of the region, with an emphasis on the countries of the former Yugoslavia and Central Europe. The analysis is based on a series of case studies that indicate the role of architectural culture (ie builders, institutions, projects, concepts and finished architectural buildings; criticism, theory and history of architecture as disciplinary arrangements; discussion of "national style" and not national architecture; selective attitude towards local heritage; the transformation of cities, the destruction of one, and the reconstruction, protection and "nationalization" of other monuments, etc.) in the complex and contradictory process of constructing collective identities. On the one hand, attention is focused on the role of architecture in the cultivation of national authenticity, and on the other, in consolidating the ideology of nationalism, modern imperialism, civic patriotism and universalism in different historical contexts in the 19th and 20th centuries.</p>				
Literature <ol style="list-style-type: none">1. Aleksandar Ignjatović, U srpsko-vizantijskom kaleidoskopu: Arhitektura, nacionalizam i imperijalna imaginacija 1878-1941 (Beograd: Orion Art i Univerzitet u Beogradu – Arhitektonski fakultet, 2016).2. Aleksandar Ignjatović, Jugoslovenstvo u arhitekturi 1904-1941 (Beograd: Građevinska knjiga, 2007).3. Aleksandar Ignjatović, Arhitektonski počeci Dragiše Brašovana 1906-1919 (Beograd: Zadužbina Andrejević, 2004).4. Miloš R. Perović, Srpska arhitektura XX veka (Beograd: Arhitektonski fakultet, 2006).5. Mirjana Roter-Blagojević, Stambena arhitektura Beograda u 19. i početkom 20. veka (Beograd: Orion Art, 2006).6. Ljiljana Blagojević, Modernism in Serbia: The Elusive Margins of Belgrade Architecture, 1919-1941 (Cambridge Mass.: The MIT Press, 2003).7. Ákos Moravánszky, Competing Visions: Aesthetic Invention and Social Imagination in Central European Architecture, 1867-1918 (Cambridge, Mass.: The MIT Press, 1998).				
Number of active teaching classes				Other: 0
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching				

The teaching method includes *ex-cathedra* classes with a variety of thematic units. Each lecture includes multiple forms of teaching, such as case study, interactive communication, and thematic discussion. Integrated teaching methods include consultation with students regarding colloquiums and exams, introduction with the use of literature, as well as fieldwork.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium	50	Final paper	50
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: CONTEMPORARY PRINCIPLES OF ARCHITECTURAL HERITAGE PRESERVATION			
Teacher(s): Associate Professor Ph.D. Mirjana Z. Roter Blagojević (1), Assistant Professor Ph.D. Marko S. Nikolić			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions:			
Subject goal Acquiring knowledge on historical and contemporary theoretical approaches related to the study, preservation, and restoration of architectural heritage, contemporary principles, recommendations and charters in the field of preservation and presentation of cultural heritage, as well as principles related to the contemporary approach of construction and regeneration of historic ambiances, which will contribute to the formation of a theoretical basis for the development of creative skills and competencies for critical thinking, creating one's concepts and approach to the preservation of cultural and architectural heritage.			
Outcome of the subject Adequate knowledge of contemporary concepts of protection of cultural heritage. Students will gain knowledge of 1. cultural and social history in the field of cultural heritage, as sustainability and techniques for the protection and revitalization of the historical buildings and areas; 2. the influence of history on the spatial, social and technological aspects of architectural preservation; 3. application of appropriate protection principles and techniques through design work in the studio, demonstrating a careful and critical approach.			
Subject content <i>Theory</i> Theoretical foundations, principles, and postulates of contemporary doctrines for the preservation and presentation of cultural heritage. Contemporary aspects of the tangible and intangible heritage, its protection and preservation. Principles and problems of valuation of different types of heritage - monumental architecture, folk architecture, industrial architecture, contemporary architecture, etc. The concept of preserving the authenticity and integrity of the heritage in the process of protection and presentation. The cultural landscape and the protection of historic sites. Principles of regeneration and presentation of architectural heritage. Presentation of historical and contemporary theoretical approaches to different aspects of the protection and revitalization of cultural heritage, as well as their practical application through the presentation of different case studies. <i>Practical learning</i> Students research Independently through case study work and specific heritage protection topics. The work will consist of data collection and field research, visits to specific historic sites; collecting sources in archives and other institutions; analyzing data and information, studying theoretical sources, making the concept of protection and presenting relevant examples; protection proposal and presentation.			
Literature – Jokilehto, J. A history of architectural conservation. London, 1999. – Vučenović, S. Urbana i arhitektonska konzervacija, Evropa. Svet. Beograd: DKS, 2004. – Brandi, Č. Teorija konzervacije. Beograd: Italijanska kooperacija, 2007. – Kulturno nasleđe, izbor najznačajnijih dokumenata Saveta Evrope u oblasti kulturnog nasleđa. Beograd: Mnemosyne, 2004. – Evropske konvencije i preporuke u oblasti kulturnog nasleđa. Kotor: EXPEDITIO, Centar za održivi prostorni razvoj – Kotor, 2005.			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Ex-cathedra lectures, practical work and consultations with students regarding the development of semester work.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	50
Practical teaching		Oral exam	
colloquium	20+20=40		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: MODEL IN ARCHITECTURE			
Teacher(s): Assistant Professor M. Sc. Zoran R. Abadić			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions:			
Subject goal The objective is to acquaint students with the visible and not so visible properties of physical models in architecture, application potentials and different approaches, methods, and techniques important for reaching and controlling the desired level of nonverbal communication, thus finding a new field of understanding, interpreting and evaluating physical models as the basic medium of architectural expression.			
Outcome of the subject The outcome of the subject is to acquire new skills in designing, making, using and presenting physical models to create a specific appearance and utilitarianism in the process of architectural design.			
Subject content Theory consists of 6 thematic units: IMAGINARY SITUATION / Model physiognomy CREATIVE MANIPULATION / The focus of the model NONVERBAL COMMUNICATION / Model speech AFFINITY FOR SIMPLICITY / Model reduction FACE TO FACE / Model Revival NEW OPTICS / Perception OF Model Practical classes consist of 2 workshops: TRANSLATION / Creation of physical models of specific movie scenes MODEL OF A MODEL / making, producing and photographing a common model without a pre-determined plan			
Literature Healy Patrick. The Model and its Architecture. Rotterdam; nai010 publishers, 2013. OASE #84. Models The Idea the Representation and the Visionary. Rotterdam; nai uitgevers, 2011. Holl, Steven; Pallasmaa, Juhani. Questions of perception: phenomenology of architecture. San Francisco; William Stout Publishers, 2006. Steven Holl. Scale. Zurich; Lars Muller Publishers, 2012. 430 p. Rudolf Arnhajm. Визуелно мишљење. Београд; Универзитет уметности у Београду, 1985. Rudolf Arnhajm. Уметност и визуелно опажање. Београд; Универзитет уметности у Бгд, 1987.			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Theoretical and practical			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	20	Written exam	30
Practical teaching	50	Oral exam	
colloquium			
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: URBAN PUBLIC SPACES			
Teachers: Ph.D. Vladan A. Đokić, Professor			
Status of the subject: elective			
Number of ECTS credits: 2			
Conditions: /			
Subject goal			
The main objective of this subject is to get acquainted with the phenomenon of public spaces in the city and to train students for their diversification, typological insight and introduction into the process of formulating guidelines for their further development.			
Outcome of the subject			
Theoretical support for exploring the city's public spaces concerning cultural context and historical continuity			
Subject content			
Theory			
A - BASIC DETERMINATIONS OF PUBLIC SPACES			
1. Morphological characteristics			
2. Functional characteristics			
3. Relationship between morphological and functional characteristics			
4. Cultural identity as a function of understanding how public spaces are used			
B - DIVERSIFICATION OF PUBLIC SPACES concerning URBAN LEVELS			
5. City			
6. District			
7. Quart			
8. Neighborhood			
C - PUBLIC SPACE RESEARCH			
9. Research problem and research questions			
10. Approaches and aspects of research			
11. Research methodology			
12. Research draft			
13. Guidelines for the transformation of urban public spaces in the urban district			
14. Guidelines for the transformation of urban public spaces in the neighborhood			
Literature:			
- Djokić, Vladan. Urbana morfologija - grad i gradski trg. Beograd: Arhitektonski fakultet Univerziteta u Beogradu, 2004.			
- Djokić, Vladan. Urbana tipologija: gradski trg u Srbiji. Beograd: Arhitektonski fakultet Univerziteta u Beogradu, 2009.			
- Kostof, Spiro. The City Shaped: Urban Patterns and Meanings Through History. Boston: A Bulfinch Press Book: Little, Brown, and Company, 1991.			
- Kostof, Spiro. The City Assembled: The Elements of Urban Form Through History. Boston: A Bulfinch Press Book: Little, Brown, and Company, 1992.			
- Krier, Rob[ert]. Urban Space. London: Academy Editions, 1979.			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching			
Interactive teaching			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 50	Final exam	total points 50
activity during lectures	20	written exam	20
colloquium(s)	30	oral exam	30

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture _ Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture			
Name of the subject: DESIGN AND CONSTRUCTION IN COMPLIANCE WITH THE CLIMATE			
Teacher(s): Associate Professor Ph.D. Dušan M. Ignjatović			
Status of the subject: elective			
Number of ECTS credits: 2			
Conditions: /			
Subject goal <p>The subject goal is to understand the relationship between the climatic conditions of the site and the creation of the architectural concept. The student acquires basic knowledge of global and local climate characteristics as well as its parameters at the micro-location level that directly influences the design process that aims at sustainability.</p> <p>Introducing historical aspects of the development of settlements in different climatic environments, students master the necessary knowledge in case of adequate understanding and analysis of regional construction postulates and their interpretation in contemporary architectural design.</p> <p>The goal of the subject is an overview of the relationship of buildings, structures, envelopes, and their relations with climate parameters in case of achieving desired conditions of comfort with the minimal use of systems of air conditioning, heating, and cooling.</p>			
Outcome of the subject <p>The outcome of the course is the mastery of knowledge and techniques that enable the design and construction of buildings in accordance with the climatic conditions of the site, based on traditional experiences and modern theoretical concepts and technological solutions.</p>			
Subject content <p>Ex-cathedra lectures: types of climate: global, regional, local, microclimate.</p> <p>Analysis of urban structures and buildings and their adaptation on climate conditions according to the available construction technology and way of living.</p> <p>The physical structure of buildings as a modifier of climate parameters: elements and systems.</p> <p>A contemporary interpretation of traditional solutions, technological solutions, applications.</p>			
Literature <p>Кошир, М. (2019) Climate Adaptability of Buildings, Springer International Publishing</p> <p>Јовановић Роровић, М. Ручар, М. Рајевић, М. (1994) Биоклиматско планирање и пројектовање-урбанистички параметри, монографија, Завет, Београд,1994.</p> <p>Evans, M. (1980) Housing, Climate and Comfort, TheArchitectral press, London</p> <p>Olgay, V. (1962), Design with climate – bioclimatic approach to archigtectural regionalism, Princeton University Press</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	60
Practical teaching		Oral exam	
Colloquium	20		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture / Module A, Module U, Module AT, Module AE
Name of the subject: GENERATING SPATIAL STRUCTURES VIA FORM-FINDING
Teacher(s): dr Jelena Ž. Milošević, assistant professor
Status of the subject: elective
Number of ECTS credits: 2
Conditions: /
<p>Subject goal</p> <p>The course objective is to present students the discourse of generative design and the potential of using generative methods, techniques, and tools in the process of designing spatial structures in architecture. Teaching involves the presentation of procedures for generating – form-finding spatial structures characterized by the interaction of form and force (form-active structures). Interactive lectures are designed to encourage testing and design experiments of structurally rational forms.</p>
<p>Outcome of the subject</p> <p>The student is expected to acquire specific skills, knowledge, as well as understanding of structural systems, construction and structural issues relevant to architectural design.</p> <ul style="list-style-type: none"> _ The student will have the ability to: <ul style="list-style-type: none"> - develop conceptual and critical approach to architectural designs that integrate aesthetical aspects of the building and technical requirements. _ The student will have the knowledge of: <ul style="list-style-type: none"> - principles of constructing and shaping spatial structures characterized by the interaction of form and force (form-active structures), as well as diverse design solutions and possibilities for their creative application in the process of architectural design; - methods and tools for generating spatial structures and ways of manipulating models and performance in the process of architectural design. _ The student will have an understanding of: <ul style="list-style-type: none"> - the investigation, critical appraisal and selection of alternative structural, construction and material system relevant to architectural design; - strategies for building construction, and ability to integrate knowledge of structural principles and construction techniques; - the physical properties and characteristics of building materials, components and systems, and the environmental impact of specification choices.
<p>Subject content</p> <p><i>Theory</i></p> <p>Theoretical teaching comprises three thematic frameworks. The first thematic framework contains presentations on generative design, the concept of form-finding in the field of spatial structures in architecture, and types of form-active structures whose design is based on the application of generative methods, techniques, and tools. The second thematic framework contains presentations on analogous form-finding methods that involve the application of physical models to simulate the behavior of spatial structures. The third thematic framework contains presentations on computational form-finding methods and digital tools for simulating the behavior of spatial structures that can be used in the design process.</p> <p><i>Practical learning</i></p> <p>Practical classes include work on assignments and project experiments exploring structural forms.</p>
<p>Literature</p> <p>Adriaenssens, S.; Block, P.; Veenendaal, D.; Williams, C. (Eds.). (2014). Shell Structures for Architecture: Form Finding and Optimization. Routledge.</p> <p>Betchthold, M. (2008). Innovative Surface Structures: Technology and Applications. Taylor & Francis.</p> <p>Chilton, J. (2000). The Engineer's Contribution to Contemporary Architecture: Heinz Isler. Thomas Telford Publishing.</p> <p>Nerdinger, W. (2005). Frei Otto: Complete Works. Birkhäuser Architecture.</p>

Literature covering particular subject units suggested in lectures.			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0		SRW: 0
Method of carrying out the teaching			
Various forms of work, such as lectures, interactive forms of teaching, project learning, consultations, etc., are applied in the realization of teaching.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	50	Written exam	
Practical teaching		Oral exam	
colloquium		elaborate	50
Seminar(s)			

ELECTIVE SUBJECT 1 - ARCHITECTURE

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: THE ARCHITECTURE OF THE EXHIBITION SPACE			
Teacher(s): Professor Goran B. Vojvodić			
Status of the subject: Elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal The goal of the subject is to introduce students to the basic principles of contemporary exhibition spaces design. The focus of the teaching is on the analysis of various tendencies in the creation of design solutions with the intention to grasp the complexity of exhibition space design, as well as the preservation, conservation, and restoration of museum artworks.			
Outcome of the subject The student will have an understanding of the need to critically review precedents relevant to the function, organization and technological strategy of design proposals; the nature of professionalism and the duties and responsibilities of architects to clients, building users, constructors, co-professionals and the wider society; the role of the architect within the design team and construction industry, recognizing the importance of current methods and trends in the construction of the built environment; the potential impact of building projects on existing and proposed communities; the investigation, critical appraisal and selection of alternative structural, constructional and material systems relevant to architectural design; strategies for building construction, and ability to integrate knowledge of structural principles and construction techniques; the physical properties and characteristics of building materials, components and systems, and the environmental impact of specification choices.			
Subject content <i>Theory</i> Teaching is conducted through theoretical lectures, case studies, guest lectures, as well as the practical work of students in order to provide knowledge about the complexity of exhibition spaces design. Through a series of lectures and interactive work on the semester assignment, students are introduced to the architecture of the exhibition space, to basic principles of organization of the space, and to the functional systematization and organization of complementary programs in contemporary galleries and museums. The subject's aim is to define the position and role of the architect in the constitution of the exhibition space, as well as the scope of the designer in this specific area of architecture.			
Literature Ronnie Self, The Architecture of Art Museums: A Decade of Design: 2000- 2010. Routledge, 2014. Michaela Giebelhausen, The Architecture of Museums: Symbolic Structures, Urban Contexts. MIT, 2003. Paul v Nareid-Rainer, Oliver Hilger, Museum Buildings: A Design Manual. Birkhauser, Publishers for Architecture, 2004. Mimi Zeigar; New Museum Architecture, Thames &Hudson, London, 2005. Josep Maria Montaner, Museums for the 21st Century, G.Gili, 2003. Suzanne MacLeod, Museum Architecture: A New Biography, New York: Routledge, 2013. Justin Handerson, Museum Architecture, Gloucester (Mass.): Reckport, 2001, Michael Browne, The New Museum: Architecture and Display, New York: Frederick A. Praeger Publishers, 1965. Миодраг Јовановић, Музеологија и заштита споменика културе, Београд : Плато, 1994. A+U, 466; 451 / The Architectural Review, 1304, 1334, 1302 / Bauwelt 23.08, 29.09, 34.08, 43.07			
Number of active teaching classes			Other: /
Lectures: 1	Exercises: 1	OFL: / SRW: /	
Method of carrying out the teaching Lectures, discussions, autonomous work of students, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	40	Final portfolio	50
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: CONTEMPORARY URBAN HOUSE			
Teacher(s): Associate Professor Ana Z. Nikezić			
Status of the subject: Elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal <p>The main goal of the subject is to enable students to understand the complexity of the contemporary individual housing in the densely built structure of the city center, as well as to enable them to conduct the analysis of all the layers the city structure in relation to the main issues of contemporary society and the city of the 21st century. The relationship between architecture and urban lifestyles, the relationship between the family house and everyday life in the city, as well as the relationship between the identity of the contemporary city dweller and the specific character of the inherited structure of the city center, are examined.</p>			
Outcome of the subject <p>Understanding the connection between the culture of everyday life and architecture. Understanding the role of an architect in the development of society and the city of the 21st century. Ability to understand the relationships between the lifestyle and the spatial structure concept of the family house. Acquiring knowledge in the field of history and theory of architecture, focusing on the subject of a family house in the city, as well as its practical application in the design process. Ability to critically reflect on the contemporary social and cultural framework of architecture and urbanism.</p>			
Subject content <i>Theory</i> <p>The problematization of the relationship between the contemporary urban context of the 21st-century city and the family house, with an emphasis on its transformation through parallel observation of the line of evolution of house, city, and individual.</p> <p>The problematization of the relationship between the contemporary urban context of the 21st-century city and the family house, with an emphasis on its transformation through parallel observation of the line of evolution of house, city, and individual.</p> <p>Issues examined: 1) Houses as urban lifestyle paradigms through the Transformation of Everyday Life after 1950 and the Phenomenon of Gentrification; 2) The house as a communicator through the Home Privacy Transformation after 1990 and the Phenomenon of the Contemporary House-Home; 3) Cyborg House through the framework of the Liminality Phenomenon, or in other words through the development of new urban identities.</p> <i>Practical learning</i> <p>Active discussions based on the presented topics. Independent seminar paper or graphic portfolio based on a critical reexamination of a given theoretical framework.</p>			
Literature <p>Никезић, А. (2018) Формати за урбани живот: Породична кућа у савременом граду. Бгд:УБ-АФ. ISBN 978-86-7924-186-3 Бојанић, П., Ђокић, В. ед. (2019) Живети заједно. Бгд:УБ-АФ. ISBN 978-86-7924-233-4 Riley, Т. (1999) The Un-Private House, New York: MOMA. Rybczynski, Witold (1986) Home. A Short History of an Idea, London: Penguin Books.</p>			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching <p>Teaching is conducted through two successive processes: 1) Collective active discussions based on lecture content. The focus of every discussion is a critical review (written or graphic) on the material presented in half-an-hour lecture and on given, read text; 2) Formulation of an individual topic, and conceptualization of a critical attitude in relation to the topic, through seminar paper or graphic material</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	20	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final paper or portfolio	50
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: CONTEMPORARY RURISM			
Teacher(s): Associate Professor Ph.D. Aleksandar Č. Videnović			
Status of the subject: Elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal Gaining theoretical knowledge, primarily and then some practical knowledge in the planning and design of private and public spaces in rural areas, considering the relationship between life and work (agricultural, mixed and non-agricultural population). Developing students' ability to meet inhabitants' needs in rural settlements through the design, respecting the specificities of organizational models in different environments and spatial situations.			
Outcome of the subject Building original approaches and design skills in the real context of landscape elements and traditional aesthetics. Building original approaches and design skills in the real context of landscape elements and traditional aesthetics. Encouragement of student's interests for active participation in less attractive environments, in order to form their own, hi-standard creative criteria, free from the effects of fashion and commercial effects.			
Subject content <i>Theory</i> In the theoretical part of the course, students are introduced to the problems of planning, designing and constructing public and residential programs in rural areas. In addition to general knowledge, the relationship between traditional and contemporary in rural areas is presented through the functional, constructive and aesthetic aspects. Basic issues are rural territories and specificities of their settlements, programmatic zones and wanted relationships in space, characteristics of public contents in central village areas and their relationship to the residential (private) zones. Theoretical teaching is supported by discussions, case studies, and seminar papers, which elaborate on the topics presented in lectures, and applied to specific situations in concrete settlements. <i>Practical learning</i> In the practical part of the class, students make a design ("small project") for some public or private rural program, at the level of programmatic and spatial pre-concept. The emphasis is on the treatment of real spaces, through the design based on specific models and realistic conditions. Students are free to choose their own model - a particular settlement or location outside of the built environment and apply gained knowledge and experience, based on a previously formulated program. Students are encouraged to visit the specific site, to collect the documentation, based on which they will propose a programmatic and spatial pre-concept of one (or several) new rural contents. Previous theoretical analysis of the environment is required, on a local or general level, and structuring the programmatic scheme. It is also possible to make a design for reconstruction of the existing rural property, in a segment or in the whole.			
Literature Којић Б.: Сеоска архитектура и руризам; Грађевинска књига, Београд 1973. Којић Б., Симоновић Ђ.: Сеоска насеља Србије; ИИЦС, Београд 1975. Рибар М.: Савремени руризам, ЦМС, Београд 1988. Симоновић Ђ., Рибар М.: Уређење сеоских територија и насеља; ИБИ, Београд 1993. Виденовић А.: Обнова центара у руралним подручјима - Нови записи, АФ, Београд, 2017. This is preliminary literature, and it is going to be completed during the course, and depending on the specific tasks and interests of students. Publications, scientific proceedings, websites, journals and other sources for specific topics, will be suggested, titles form AF library, or private sources, by the recommendation of the teacher.			
Number of active teaching classes			Other: 0
Lectures: 1	Exercises: 1	OFL: 0	
SRW: 0			
Method of carrying out the teaching The combination of various teaching forms: lectures, presentations, discussions, case studies, seminar papers, individual or group projects.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	5	Written exam	
Practical teaching		Oral exam	
colloquium	10+10=20	Final portfolio	45
Seminar(s)	10	Final paper	20

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture
Name of the subject: ARCHITECTURE OF TERRITORY
Teacher(s): Assistant Professor Ph.D. Pavle D. Stamenović
Status of the subject: Elective
Number of ECTS credits: 3
Conditions: /
Subject goal <p>The subject's goal is to introduce students with the complex process of exploring the territory through the use of an analytical apparatus that belongs to the design methodology; Developing the ability of students to practically apply gained knowledge, through the synthesis of conclusions about space that comes from different (opposing) scales: 1) the scale of context-territory and 2) scale of small architectural intervention (architectural syntax), with special stress on achieving the programmatic plot, thematization and development of the concept of intervention, and through the application of architectural design tools. In the context of scale, architectural interventions are seen as infrastructure - as elementary physical and organizational structures necessary for the functioning of society.</p>
Outcome of the subject <p>Working on this subject, students gain:</p> <ol style="list-style-type: none"> 1) Ability to create architectural designs that satisfy both aesthetic and technical requirements. 2) Understanding of the relationship between people and buildings, and between buildings and their environment, and the need to relate buildings and the spaces between them to human needs and scale. 3) Understanding of the methods of investigation and preparation of the brief for a design project.
Subject content <p>The issues of contemporary context are dialectical: growing concern about for environment serves as a meta-narrative of the first decades of the 21st century, while at the same time constantly growing urbanization devastates more and more of spatial resources. Having this in mind, the elective subject framework is set with the intention to provide an understanding of the concept of naturalness in the context of the contemporary built environment. The scale of territory and infrastructure is superimposed with the scale of precise architectural intervention: territories and infrastructures are explored in the scale of an architectural fragment. Doing this, the focus of the work moves from understanding the everchanging (urban) landscape to the research methods and techniques of the architectural process - especially narrative drawing (zoom-in) and analytical maps (zoom-out). The proposed <i>research by design</i> method is based on simultaneous processes of designing at opposing scales, assuming the importance of simultaneous perception of the whole and its parts.</p> <p><i>Theory</i></p> <p>Observed from the outside, these unbuilt territories - public landscapes, represent a significant and much needed spatial potential for the city. Interests that shape urban spaces are often conflicted, so the idea about the public landscape can be represented as the common ground for all the interested parties. From the urban development point of view, both formal and informal, the subject raises the question of importance, meaning, and shape of unbuilt tissue in a contemporary city context. The theoretical part of the subject is conducted through a series of lectures by the subject teacher and guest lecturers whose work is relevant to the topic.</p> <p><i>Practical learning</i></p> <p>The work consists of three parts: (1) preparation - analytical part of the work, clarification of the role of ecosystems in natural processes of urban areas; (2) week for seminar and workshop – visit of the site, followed by group work. Through collaborative work, students reflect on the importance and significance, as well as the opportunities for the development of the public landscapes (unbuilt spaces), as well as their urban potential for the selected city. Based on different cultural and methodological starting points, mixed groups of students will explore the potentials and challenges of further development of the proposed site. (3) synthesis of data and new knowledge that forms a ground for the constitution of new concepts for structuring the site, and developing the concept of intervention for the chosen spatial framework-territory.</p>
Literature <p>Topalovic, M., <i>Belgrade Formal/Informal. A Study on Urban Transformation</i>, 2012.</p> <p>Easterling, Keller. <i>Extrastatecraft: the power of infrastructure space</i>. New York: Verso Books, 2016.</p> <p>Easterling, Keller. <i>Organisation space: landscapes, highways, and houses in America</i>. London: The MIT Press, 1999.</p> <p>Lang, Peter. <i>Superstudio: Life Without Objects</i>. Torino: Skira Editore S.p.A., 2003.</p> <p>Steenbergen, Clemens. <i>Composing Landscapes: Analysis, Typology and Experiments for Design</i>. Basel: Birkhäuser, 2008.</p> <p>AD - Territory: Architecture Beyond Environment, Edited by David Gissen</p>

Gissen, D. *Subnatures. Architecture's Other Environments*. New York: Princeton Architectural Press, 2009.

Boeke, K. *Cosmic View: The Universe in 40 Jumps*. New York: An Intext Publisher, 1957.

Nikezić, A., Stamenović, P., Janković, N., *Transgressing Scale: Architecture and nature: ECO Station, War Island, Belgrade*, 2017.

Stamenović, P., Predić, D., Ereš, D., "Transparency of Scale: Geographical Information Program (Google Earth) and The View from Beyond," E. Vaništa Lazarević, et al. (eds.), *Keeping Up with Technologies to Improve Places*, (London: Cambridge Scholar Publishing, 2015) pp. 46-57

Stamenović, P., Stojanović, D., Predić, D. *Extended Process of Architectural Design: Sustainable Development without a Master Plan*. The New ARCH"Vol. 1, No. 1, 2014.

Number of active teaching classes

Lectures: 1

Exercises: 1

OFL: /

SRW: /

Other:

Method of carrying out the teaching

Student research work through communication with teachers in classes and consultation hours, as well as independent research work of students on the final portfolio for the exam, and independent tasks during the semester.

Theoretical Research Methods: Comparative Case Analysis, Case Study, Context Analysis, Interview - Survey

Design Methods and procedures: study and field research work, research by drawing, analytical maps, other forms of teaching

(1) field research - site visits,

(2) workshop and seminar,

(3) group and individual work: case study, critical analysis, discussion, practical design work,

(4) Lectures.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	20	Final portfolio	40
Seminar (Workshop)	20	Design Presentation Review	10

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: INTRODUCTION TO ARCHITECTURAL RESEARCH				
Teacher(s): Assistant Professor Ph.D. Marija R. Milinković				
Status of the subject: Elective				
Number of ECTS credits: 3				
Conditions:				
Subject goal The goal is to introduce students to the basic principles, characteristics and possible results of research work in the field of architecture. Through a series of lectures that elaborate various topics and interactive work on a semester assignment, students gain insight into various theoretical positions within the contemporary debate of the relationship between research and design, and become familiar with possible standpoints and appropriate research methods and techniques. Classes are organized to stimulate analytical and critical thinking and provide the initial knowledge needed for work in later subjects of Master Studies - Master Thesis.				
Outcome of the subject Student's task is to propose Thematic Research Proposal, based on the knowledge gained in the lectures, their individual interests and work on the formulation of the research subject and research problem. Within the framework of the semester paper, students present the results of their research in the form of a study consisting of a short essay, photographs/films, and analytical drawings.				
Subject content <i>Theory</i> The theoretical part of teaching in this subject consists of three basic thematic units: Post-Positivism (1), Interpretation (2) and Criticism and Post-Criticism (3). Each of these topics is discussed in the lectures through the analysis and explanation of individual, key words, and the presentation of characteristic examples of research work in architecture. <i>Practical learning</i> Through various interactive teaching methods, students present their individual and group research work and discuss the research results.				
Literature Ruedi, Katerina, and Iain Borden. <i>The Dissertation: An Architecture Student's Handbook</i> . London: Architectural Press, 2000. Groat, Linda, and David Wang. <i>Architectural Research Methods</i> (2nd ed.). New York: John Wiley and Sons, 2013. Fraser, Murray, ed. <i>Design Research in Architecture</i> . London: Ashgate, 2013. Denzin, Norman K., ed. <i>The SAGE Handbook of Qualitative Research</i> (4th ed.). Los Angeles: SAGE, 2011. Stead, Naomi, Janina Gosseye and Deborah van der Plaats. <i>Speaking of Buildings: Oral History in Architectural Research</i> . New York: Princeton Architectural Press, 2019. Milenković, Branislav. Uvod u arhitektonsku analizu I. Beograd: Građevinska knjiga, 1990. <i>arq: Architectural Research Quarterly</i>				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: /	OFL: /	SRW: /	
Method of carrying out the teaching Lectures, interactive teaching, individual and group student research work.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	20	Final portfolio	70	
Seminar(s)				

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: ARTIST'S BOOK			
Teacher(s): Professor Ph.D. Mariela M. Cvetić			
Status of the subject:			
Number of ECTS credits:			
Conditions:			
Subject goal The main course objective is to introduce students with this specific art form – Artist’s book, its history and origin, and then to create one by themselves, as their own original statement.			
Outcome of the subject Students will have the knowledge and skills of implementation/production of Artist’s book form, and skills of identification and valorization of this art form in contemporary art practice.			
Subject content <i>Theory</i> Classes consist of theoretical studies of this art form, both as the idea and as the visual form; its history within 20th-century art movements: avantgarde, postmodern and art in the age of culture. Examination of the conceptualization of “the book”, its poetics and its philosophy, as well as the issues of multiplication and constructing an aura. <i>Practical learning</i> In the second part of the course, students will conceptualize and produce their own form of Artist's Book in classes and afterward at home, where they continue to analyze, explore and conclude the work after consultations. The students may produce one or more of this form and exceptionally may work in groups.			
Literature Цветић, Мариела, <i>Уметникова књига/Artist's Book</i> , Архитектонски факултет, Београд, 2014 Drucker, Johanna, <i>The century of Artist’s Books</i> , Granary Books, NY, 1995 Annette Gilbert ed.by, <i>Publishing as Artistic Practice</i> , Strendberg Press, Berlin, 2016 Cella, Bernhard, <i>No-ISBN, On Self-Publishing</i> , Salon für Kunstbuch, 2017 <i>Artists Who Make Books</i> , Phaidon Press, 2017			
Number of active teaching classes			Other:
Lectures: 1	Exercises: 1	OFL: / SRW: /	
Method of carrying out the teaching The teaching is conducted through keynote ex-cathedra lectures turning into discussions, analysis and dialogues. Film projections opening a debate on the researching problem are planned. After individual work, the students and teacher analyze the work together. The exhibition of final works is planned by the curriculum.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final portfolio	60
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: PARAMETRIC DESIGN			
Teacher(s): Assistant Professor Ph.D. Mirjana S. Devetaković			
Status of the subject: Elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal Introduction to methods and tools for parametric and generative modelling of complex architectural geometry. Using <i>Grasshopper</i> visual algorithm editor and mastering the basics of visual algorithmic programming.			
Outcome of the subject Students are introduced to the theoretical basics of parametric modeling, one of the most common software in this field, and they are ready to use it on simple tasks. Students are also equipped for independent work with the Grasshopper visual algorithm editor and inspired to improve skills in this area.			
Subject content In the theoretical part of the course, students are introduced to the basics of parameterization and methods of creation and control of a complex architectural form. They use Rhino 3D modeling software, as well as its plugin, the Grasshopper algorithmic editor. In the practical part of the course, students complete a series of tasks, two colloquiums and final work, through which they test the possibilities of the adopted parametric modeling techniques.			
Literature Payne, E.; Issa, R.: Grasshopper Primer, LIFT Architects, 2009 Issa, R: Essential Mathematics for Computational Design, McNeel and Associates, 2013 Khabazi Z.: Generative Algorithms, Morphogenesisism, 2012 Khabazi Z.: Generative Algorithms, Concepts and Experiments: Strip Morphologies Morphogenesisism, 2011 H. Potman, A. Asperi, M.Hofer, A. Killian, Architectural Geometry, Bently Institute Press, 2007.			
Number of active teaching classes			Other:
Lectures: 1	Exercises: 1	OFL: / SRW: /	
Method of carrying out the teaching Lectures and practical work, individual research, discussions and critiques.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	30	Written exam	
Practical teaching		Oral exam	
colloquium	40	Final portfolio	30
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: BIM 01			
Teacher(s): Assistant Professor Ph.D. Mirjana S. Devetaković			
Status of the subject: Elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal The subject’s goal is to introduce students to work in a BIM (Building Information Modeling) environment, both in theory and in practice – through a series of tasks and specific, chosen topic research. Having finished this course, the student will be able to independently use the referent software at the basic level, as well as to participate in the work of design teams on more complex design projects that use BIM environment. Students will be prepared by working on the subject, in technical and IT terms, to work in the architectural practice of the future and to increase their employment opportunities in the regional, European and world markets.			
Outcome of the subject Students are introduced to the theoretical basics of BIM, and they are ready to use the basic level of software that supports BIM, in the phase of design in architectural practice. They are ready to engage in architectural and execution practices based on BIM technology.			
Subject content The teaching is the combination of theoretical lectures, research, and discussions, as well as hands-on work in which students master the basic techniques of using two referential software (Revit and Allplan) through specific, simple exemplary modeling tasks. During the semester students conduct the research on one of the given topics and present this research through the final paper.			
Literature Chuck Eastman, Paul Teicholz, Rafael Sacks, Kathleen Liston: BIM Handbook - A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers, and Contractors; John Wiley & Sons, 2011 Autodesk Revit 2015 Help - http://help.autodesk.com/view/RVT/2015/ENU/ Getting Started with Revit Architecture - http://wiki.bk.tudelft.nl/toi-pedia/Getting_Started_with_Revit_Architecture Allplan Basic Tutorial, https://campus.allplan.com/training/tutorials.html			
Number of active teaching classes			Other:
Lectures:	Exercises:	OFL:		SRW:
Method of carrying out the teaching Series of lectures and practical work, discussions and independent research.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	30	Written exam	
Practical teaching		Oral exam	
colloquium	40	Final portfolio	30
Seminar(s)			

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: MEDIEVAL FORTIFIED TOWNS IN SERBIA				
Teacher(s): Assistant Professor Ph.D. Marko S. Nikolić				
Status of the subject: Elective				
Number of ECTS credits: 3				
Conditions: /				
Subject goal The subject’s goal is to introduce students to the problems related to the study and reconstruction of medieval fortified cities in Serbia, in order to expand and improve their theoretical knowledge gained at previous levels of academic studies. The goal is to provide students with adequate knowledge about historical development, about spatial and architectural features and values of medieval fortified cities, so that they become able to pose their own suggestions for protection, presentation, and inclusion of heritage in contemporary life.				
Outcome of the subject The students will have an understanding of: the needs and aspirations of building users; the impact of buildings on the environment, and the precepts of sustainable design; the way in which buildings fit in to their local context.				
Subject content Through theoretical lectures, a detailed review of the constitution of spatial, typological and architectural features of medieval settlements in Serbia, is provided, especially concerning fortified cities and fortification architecture. Special attention will be given to issues related to contemporary protection principles and presentation of this sort of architectural heritage as well as to the possibilities for their improvement in domestic professional practice. Foreign and domestic examples of protection and presentation will be analyzed and compared. The subject curriculum includes independent student’s research of historical, urban and architectural features, which will provide widen perspective on values of a selected medieval fortified town. The analysis of contemporary procedures and recommendations in the field of cultural heritage preservation, cultural landscape, and cultural tourism, examines the possibilities for presentation of medieval fortified cities remains, as well as their revitalization through the introduction of new various programs. The goal is to present the remains of historical buildings and to introduce visitors to the history and architectural values of this type of heritage.				
Literature Вученовић, С. Урбана и архитектонска конзервација - Свет и Европа, Том 1 (Београд: ДКС, 2004). Дероко, А. Средњовековни градови у Србији, Македонији и Црној Гори (Београд: 1950). Милошевић, Г., Ротер-Благојевић, М., Јадрешин-Милић, Р., и Николић, М.: Обнова и презентација утврђења Рам на Дунаву и његове околине у функцији културног туризма, у: Гласник ДКС, 34 (2010), стр. 89-94. Николић, М. Примена принципа заштите и презентације градитељског наслеђа на средњовековним утврђеним градовима у Србији, (Београд: Универзитет у Београду - Архитектонски факултет, 2014). Докторска дисертација Поповић, М. и Симић, Г.: Утврђења у Србији, (Смедерево: Регионални завод за заштиту споменика културе, 2003).				
Number of active teaching classes				Other: /
Lectures: 1	Exercises: 1	OFL: /	SRW: /	
Method of carrying out the teaching Ex cathedra lectures, interactive forms of teaching, consultation, discussion and presentation.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	40 (20+20)	Final paper	50	
Seminar(s)				

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: ANALYSIS OF GRAPHIC FORMS				
Teacher(s): Assistant Professor Ph.D. Vladimir M. Parežanin				
Status of the subject: Elective				
Number of ECTS credits: 3				
Conditions: /				
Subject goal <p>The goal of the teaching process is to expand previously gained knowledge in the field of visual communications and architectural graphics, as well as to form an analytical apparatus for the investigation of graphic and visual phenomena through the individual design process.</p> <p>The main aim is to present a review of graphical forms that represent interconnections between design theory and practice within the processes of creative thinking and production.</p> <p>With the chosen subject of work - a fragment of graphic reality - it is necessary to structure the epistemology of design and creation, in the form of knowledge about the design process, and to identify its sub-levels: design of procedures and design techniques.</p>				
Outcome of the subject <p>The student will have the knowledge of the application of relevant theoretical concepts on the designing work in the studio, demonstrating a contemplative and critical approach.</p> <p>The graduate will have knowledge of how the theories, practices, and technologies of the arts influence architectural design; the creative application of the fine arts and their relevance and impact on architecture; the creative application of such work to studio design projects, in terms of their conceptualization and representation.</p>				
Subject content <p><i>Theory:</i> setting tasks and topics elaboration, setting the basic principles for the research process, discussion, theoretical and practical teaching, and learning;</p> <p><i>Practical learning:</i> practical work and instructions, presentations, case studies, graphic and textual response to set assignments.</p> <p>The focus of the course is on design theory, design and creative thinking methods, analysis and reconstruction of the author’s intentions in design, conducted through interactive and ad hoc lectures, which should provide the knowledge and skills needed to produce textual and graphic answers to tasks.</p> <p>The teaching method consists of a combination of active student participation, mediation, and analytical discussion and the formation of theoretical discourse.</p>				
Literature <p>Арњајм Р, <i>Динамика архитектонске форме</i>, Београд: СКЦ, 1992.</p> <p>Богдановић К, <i>Поетика визибилног</i>, Београд: Завод за уџбенике и наставна средства, 2007.</p> <p>Богдановић К, <i>Поетика визуелног</i>, Београд: Завод за уџбенике и наставна средства, 2005.</p> <p>Јодик Ј, <i>Облик и простор у архитектури</i>, Београд: Орион арт, 2009.</p> <p>Мако В, <i>Естетика архитектура књ. 1 и 2</i>, Београд: Архитектонски факултет, 2005, 2009.</p> <p>Петровић Ђ, <i>Визуелне комуникације</i>, Београд: Архитектонски факултет, 1972.</p> <p>Петровић Ђ, <i>Композиција архитектонских облика</i>, Београд: Научна књига, 1972.</p> <p>Станисављевић Д, <i>Визуелна истраживања</i>, Београд: Архитектонски факултет, 2016.</p> <p>Станисављевић Д, <i>Графичко представљање облика у простору</i>, Београд: Архитектонски факултет, 2000.</p> <p>Радојевић А, <i>Архитектонско цртање 1, 2, 3</i>, Београд: Архитектонски факултет, 1988, 1989, 1995.</p>				
Number of active teaching classes				Other: /
Lectures: 1	Exercises: 1	OFL: /	SRW: /	
Method of carrying out the teaching <p>A combination of ex cathedra lectures, interactive and ad hoc lectures, graphical topic elaborations.</p>				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam	30	
colloquium	30	Final portfolio	30	
Seminar(s)				

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: ENGLISH FOR ARCHITECTS 1				
Teacher(s): Associate Professor Ph.D. Gordana M. Vuković Nikolić				
Status of the subject: Elective				
Number of ECTS credits: 2				
Conditions:				
Subject goal The focus is on controversial topics in architecture which are discussed in classes and which students elaborate in their seminar paper (final exam). Complete skills of communication are developed through the integrated teaching model, which provides competence in listening, reading, speaking and writing, but the primary goal is to activate previous knowledge of English and to develop complex terminological and grammatical apparatus needed to discuss and debate architectural topics in English.				
Outcome of the subject Development of verbal skills in a foreign language (English) which can provide skills of discussion and argumentation in the field of architecture.				
Subject content <i>Theory</i> The focus is on the functional apparatus of debate and argumentation. Authentic texts are systematically arranged to thematically and functionally follow the subject curriculum. The practicum, which is being innovated every year, as well as multimedia presentations and seminar papers of students from previous years, form the basic corpus of materials for this course.				
Literature Др Гордана Вуковић-Николић: Енглески за архитекте 3, практикум, Архитектонски факултет, Београд, 2012. (добија се на првом часу предавања) Гордана Вуковић-Николић: Граматика енглеског језика са везбањима, Виша ПТТ школа, Београд, 1995. (интернет издање је постављено на страни наставника на сајту факултета) Гордана Вуковић-Николић: Креативно писање, Круг центар, 2010. (продаја у скриптарници Грађевинског факултета у Београду)				
Number of active teaching classes				Other:
Lectures: 2	Exercises: /	OFL: /	SRW: /	
Method of carrying out the teaching The teaching classroom and teacher’s office are equipped with audio-visual technology. Classes are based on the texts that are presented in the form of multimedia presentations and seminar papers of previous generations’ students. The main part of the coursework is the Practicum that each student receives at the beginning (for free). Through announced units in the Practicum, the students are encouraged to explore the given topic on the internet, to discuss and to write about it in class and at home so that this gradually gained knowledge can be completed by the preparation for the final exam. The complete course methodology is being performed through a teacher’s self-developed method (Portfolio method, described in detail in the book Creative writing, G. Vukovic -Nikolić, 2010).				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	30	Written exam	20	
Practical teaching		Oral exam	10	
colloquium	40	.....	
Seminar(s)				

ELECTIVE SUBJECT 1 - URBANISM

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: CONTEXTUAL ARCHITECTURE				
Teachers: Ph.D. Eva J. Vaništa-Lazarević, Professor				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: /				
Subject goal Understanding architecture as a result of the environment influence (natural and social), on the one hand, and the human impact (the whole system of his needs), on the other; understanding of architecture as the creative power of the architect (the creator of the beautiful) - the architect as a link past - present - future				
Outcome of the subject Training students to understand architecture as a unity of its artistic and exact-empirical component				
Subject content Introducing students through theoretical and practical teaching with methods of research in the field of urban regeneration, meanings of contextuality within the city, constant and variable values in architecture, urban processes, phenomena, and ideas that influence the research of the architectural context in the city.				
Literature: Vaništa Lazarević, Eva. Obnova gradova u novom milenijumu. Beograd: Classic map studio, 2003. Vaništa Lazarević, Eva. Urbana Rekonstrukcija. Beograd: Zadužbina Andrejević, 1999. Ваништа Лазаревић, Ева и Мира Милаковић. Reader за предмет: Архитектура у контексту. Београд, 2010. у непосредном договору				
Number of active teaching classes				Other: 0
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	
Method of carrying out the teaching ex-cathedra + interactive lectures				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 50	Final exam	total points 50	
colloquium(s)	50	written exam	50	

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: CONTEMPORARY URBAN PHENOMENA				
Teachers: Ph.D. Aleksandra B. Stupar, Associate Professor				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: /				
Subject goal The course aims to investigate the phenomenon of the contemporary city, its essential characteristics, and regularities, which are the result of accelerated changes since the second half of the twentieth century. To introduce the latest trends that are manifesting in architecture, urban space, and society. Comprehensive understanding of the relationship between urban structure/architecture and political, social, and economic developments in the context of the latest technological revolution.				
Outcome of the subject Adequate knowledge of urban design, planning, and the skills involved in the planning process. The graduate will acquire knowledge of: <ol style="list-style-type: none">1. theories of urban design and the planning of communities;2. the influence of the design and development of cities, past and present on the contemporary built environment;3. current planning policy and development control legislation, including social, environmental, and economic aspects, and the relevance of these to design development. Recognizing the state, processes, and relations in the contemporary city, being able to identify and analyze the theory, master the process of both integral and critical observations.				
Subject content <i>Theoretical teaching</i> is aimed at understanding the specifics of the contemporary city - socioeconomic context, urban transformations, architecture, and trends. The phenomena are observed at three spatial levels - global, regional, and local. Particular attention is paid to the relationship between the general principles of current processes and their local characteristics. The subject equally looks at the city's structure and architecture - their newly formed identity, attractiveness, and competitiveness.				
Literature: (1) Ступар, А.: ГРАД ГЛОБАЛИЗАЦИЈЕ - ИЗАЗОВИ, ТРАНСФОРМАЦИЈЕ, СИМБОЛИ, Београд: АФ/ОрионАрт, 2009; (2) Ступар А.: ГРАД: ФОРМЕ И ПРОЦЕСИ, друго допуњено издање, Београд: Орионарт, 2019. (3) CITIES – ARCHITECTURE AND SOCIETY, vol.I, II, Venice: Marsilio editori s.p.a., 2006; (4) Graafland A. and Kavanah L. J: CROSSOVER. Architecture, Urbanism, Technology, Rotterdam: 010 Publishers, 2006; (5) Long K: The new architectural generation, London: LKP, 2008; (6) Hubbard, P: City, London, NY: Routledge, 2006.				
Number of active teaching classes				Other: 0
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching Interactive lectures				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 40	Final exam	total points 60	
activity during lectures	20	written exam	60	
colloquium(s)	20			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture
Name of the subject: PUBLIC ART AND PUBLIC SPACE
Teachers: Ph.D. Zoran N. Đukanović, Associate Professor
Status of the subject: elective
Number of ECTS credits: 3
Conditions: Knowledge of the English language is preferred.
Subject goal Introducing students to the types, forms, and conditions of realization of architectural - urban - artistic projects in the public sphere, i.e., in public spaces, which are accomplished by the interdisciplinary action of artists, architects, planners, and designers, as well as various forms of participation of the public and the local community in the process of planning, designing and realization. Enabling students to understand interdisciplinary activities in the field of planning, design, and implementation of projects to improve the spatial aspect of the public sphere / public urban spaces by activating and (re) designing them through the use of different art forms and means.
Outcome of the subject The graduate will have the ability to prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief. The graduate will acquire knowledge of: <ul style="list-style-type: none"> • how the theories, practices, and technologies of the arts influence architectural design; • the creative application of the fine arts and their relevance and impact on architecture; • the creative application of such work to studio design projects, in terms of their conceptualization and representation. • theories of urban design and the planning of communities; • the influence of the design and development of cities, past and present on the contemporary built environment; • current planning policy and development control legislation, including social, environmental, and economic aspects, and the relevance of these to design development. The graduate will have an understanding of: <ul style="list-style-type: none"> • the needs and aspirations of building users; • the impact of buildings on the environment, and the precepts of sustainable design; • how buildings fit into their local context. • the potential impact of building projects on existing and proposed communities.
Subject content <i>Theory</i> <ol style="list-style-type: none"> 1. Public art versus art in public space; Site-specific art, contextually specific art, and community-oriented art; Public sphere, democratic sphere, cultural citizenship; Making a Place: Public artwork as a public space. 2. Public art in public space: the context of action: Public art in Serbia; Public art in public spaces; Citizen participation in the process of artistic design of public urban spaces; Social, economic, and political context as a basis for action. 3. The strategic concept of institutionalizing Public art: Strategies and principles for locating and activating Public art; Valuation of resources to the preferences of the target groups; Human Resources; Institutional framework; Public art, culture, tourism, and cultural tourism; Marketing and Branding. 4. Case studies. <i>Practical learning</i> It consists of the research of public domain characteristics in the sphere of public spaces as well as possibilities for their improvement through the realization of various artistic, architectural, and urban programs. The possibilities are explored in which the fields of architecture and urbanism find their adequate role in the improvement of public urban spaces, their activation, and (re) design by the application of different artistic methods and forms of expression. For the target area, the general and specific characteristics of the broad thematic field and the problem subcontinent are defined. Adequate case studies in domestic and foreign practices are comparatively explored. Existing and new development strategies and programs for improvement projects are being identified and analyzed; possibilities and effects of realization of original concrete projects are explored.
Literature: Ђукановић З., Бобић А., Живковић Ј., и други. (2011) <i>Уметност у јавном простору: експертска студија просторне провере ужег градског језгра Ужица за потребе уметничке продукције у јавном простору</i> . Београд: Academica – академска група. Ђукановић З., Живковић Ј. (2008) <i>Public art and Placemaking / Јавна уметност и креирање места: студија случаја Београд-градска општина Стари град</i> . Београд: Архитектонски факултет Универзитета у Београду. Website: www.publicart-publicspace.org

Number of active teaching classes				Other: 0
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	
Method of carrying out the teaching				
interactive lectures, workshops, case study analysis, project realisation in public space				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		total points 50	Final exam	total points 50
tasks		30	project presentation	50
colloquium		20		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: URBAN POLICIES				
Teachers: Ph.D. Ratka P. Čolić, Assistant Professor				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: the student should have the capacity for research work and critical approach as well as for team and creative work				
Subject goal The objective of the course is to provide students with an understanding, mastery of methods, and practical knowledge in the field of urban development policies. It aims to strengthen critical awareness, awareness of current research, and contemporary practice of urban development policies in Serbia and EU countries. To develop a systematic and detailed knowledge of territorial and urban development management practices; and developing transferable and professional skills that will allow students to demonstrate initiative and personal and professional responsibility.				
Outcome of the subject The student will acquire knowledge of current planning policies and legislation controlling construction, including social, economic, and environmental aspects and their importance for development planning.				
Subject content <i>Theory</i> Urban policies include measures to promote sustainable and integrated urban development and urban renewal. Policies represent measures, plans, programs, projects, budgets, and procedures - that is, all concepts and activities used to solve problems. In addition to traditional urban planning instruments, the role of policies is becoming increasingly important in the context of territorial governance and urban development. Similar to many European countries, Serbia is developing a Strategy for Sustainable and Integral Urban Development. It is an effort to link the identified problems and potentials of urban development with the sources of financing and implementation of priority projects through the management of urban development. National policy is made up of a set of decisions that promote long-term transformative, productive, inclusive, and resilient urban development. <i>Practical learning</i> The assignment is based on work within workshops where students jointly explore urban development policies, thematically and problem-oriented - economic development and employment, urban renewal, social well-being such as including urban poverty, social inclusion, environmental protection and adaptation to climate change, management of urban development, digital transition, etc. Students examine the contemporary issues of urban development of the local context and the impact of the EU (Leipzig Charter on Sustainable European Cities, EU Urban Agenda) and other urban development policies.				
Literature: Чолић, Р. (2018) Подстицање локалног одрживог и економског развоја кроз израду планова детаљне регулације, Канцеларија Уједињених нација за пројектне услуге- UNOPS, Академија, Београд, Март, 2018. Čolić, R. (2015) "Integrated Urban Development Strategy as an Instrument for Supporting Urban Governance", Serbian Architectural Journal SAJ. Vol.7, No.3. 2015, pp: 317-342. Чолић, Р.,Мојовић, Ђ., Петковић, М., Чолић, Н. (2013) Водич за партиципацију у планирању урбаног развоја. Београд: GIZ/ AMBERO-ICON. Гаули, Ј, Чолић, Р. (2018). Стратегија интегралног урбаног развоја – Водич за градове и општине, AMBERO Consulting, представништво Београд, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ), Београд, децембар, 2018. Нови Сад: Artprint Media Министарство грађевинарства, саобраћаја и инфраструктуре РС (2018). Стратегија одрживог и интегралног урбаног развоја Републике Србије до 2030.				
Number of active teaching classes				Other: 0
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	
Method of carrying out the teaching lectures, group discussions, workshops and independent work using literature				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 50	Final exam	total points 50	
practical teaching	20	seminar(s)	40	
colloquium(s)	30	oral exam	10	

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: URBAN RECREATION			
Teachers: Ph.D. Jelena A. Živković, Associate Professor			
Status of the subject: elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal The program aims to acquaint students with the various basics, forms, and concepts of recreation development in the city and to enable them to acquire basic knowledge and skills in the planning and design of outdoor and recreational spaces.			
Outcome of the subject Upon completion of the course, students are expected to: <ul style="list-style-type: none">• Know the basics and know basic theoretical concepts of recreation planning and development in the city;• Understand the role of urban recreation in contemporary urban development;• Understand the contextuality, complexity, and dynamism of urban recreation forms and spaces;• Be able to identify, critically analyze, and evaluate the recreational quality of urban areas, networks, and locations, as well as finding ways to improve their programming, spatial, and design.			
Subject content <i>Theory</i> The program deals with introducing the basics of development and features of urban recreation and its importance for the quality of life of residents and city visitors. Contemporary development of urban recreation is viewed in the context of diversification of lifestyles, increasing mobility, and consumption, environmental challenges. Also, it considers the development of new urban policies and economies, as well as the ability to express the "right to the city" that contributes to changing the role and importance of recreation in urban development. In these conditions, a variety of temporary and occasional, integrated forms of recreation are being developed. Through the work within the course, different aspects of the recreational quality of urban space are considered. Also the potentials of various forms of urban recreation to interact establishing links within an urban structure, to enable positive changes in urban space and thus to contribute to improving the quality of life, development, and regeneration of cities. The following thematic units are covered: Concept, basics, and forms of urban recreation development; Recreational needs, activities, and spaces; Types, networks, and locations of urban recreation spaces; Recreation as a goal and tool for urban development; Program-spatial concepts of urban recreation development; Designing, arranging and equipping recreational areas. Classes also include 1) Research on the recreational quality of urban spaces (areas, networks, and locations); 2) Consideration of possibilities for their improvement in the field of urban design			
Literature: <ul style="list-style-type: none">• Веснић Неђерал Ж., (1993) Урбана рекреација - функционално и просторно организовање рекреативних простора у граду, Архитектонски факултет у Београду, Београд• Baud-Bovy Manuel, Lawson Fred, (2002) Tourism And Recreation Handbook Of Planning And Design, Architectural Press, Oxford (etc.)• Ђукановић З., Живковић Ј., (2008) Public art and Placemaking / Јавна уметност и креирање места: студија случаја Београд-градска општина Стари град, Архитектонски факулет Универзитета у Београду; Београд;• Живковић Ј. (2016) Урбана рекреација - практикум и ридер, интерна дигитална публикација АФ• Живковић Ј. Урбана рекреација – концепти, форме и простори (уџбеник у припреми)			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Classes are realized through interactive lectures, presentations, discussions, workshops, individual and group work student research work			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 60	Final exam	total points 40
activity during lectures	20	elaborate of final exam	40
colloquium(s)	40		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: CONTINUITY IN URBAN DEVELOPMENT			
Teachers: Arch. Ivica Lj. Nikolić, Assistant Professor			
Status of the subject: elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal The goal is the research of spatial and design characteristics of urban-scale solutions, as a precondition for the final synthesis of various complex town-planning factors and conditions, but also a possible way to make a distinctive contribution - "surplus value" in terms of creating not only functional but attractive and stimulating urban spaces.			
Outcome of the subject Adequate knowledge of urban design, planning, and the skills involved in the planning process. The graduate will acquire knowledge of: <ol style="list-style-type: none">1. theories of urban design and the planning of communities;2. the influence of the design and development of cities, past and present on the contemporary built environment;3. current planning policy and development control legislation, including social, environmental and economic aspects, and the relevance of these to design development			
Subject content <i>Theory</i> In the context of challenges and changes established in the contemporary moment, spatial concepts and patterns will be re-examined - the urban structure and urban morphology, at the level of Identifying and analyzing new states - changes concerning previously dominant patterns; Creating spatial concepts in the context of contemporary urban policies and requirements. <i>Practical learning</i> Examining the case - case studies, especially at the polygon of the city of Belgrade (Neimar, Sava Amphitheater, New Belgrade), with the examination of world practice examples as a reference experience.			
Literature: <ol style="list-style-type: none">1. Lynch K.,(1984) Good City Form, MIT Press, Cambridge Massachusetts2. Lynch K.(1962) The cite planning, MIT Press, Cambridge Massachusetts3. Lang J., (2005) Urban Design - A typology of procedures and products, Architectural Press, New York4. Tuan Yi-Fu., (1990) Topophilia - A study of environmental perception, attitudes and values, Columbia University Press, New York5. Leupen B., Grafe C., Kornig N., Lampe M., Zeeuw P. de.,(1993) Design Analyses, 010 Publishers, Rotterdam			
Number of active teaching classes			Other: 0
Lectures: 1	Exercises: 1	OFL: 0	
SRW: 0			
Method of carrying out the teaching Teaching is carried out through a combination of several different types of work, such as interactive lecture debates, case studies, comparative analysis of cases.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 60	Final exam	total points 40
activity during lectures	10	written exam	40
practical teaching	50		

THEORETICAL DISCOURSE 2

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: THEORY OF SYMBOLICAL AND AESTHETICAL COMMUNICATION IN ARCHITECTURE				
Teacher(s): Professor Ph.D. Vladimir F. Mako				
Status of the subject: Elective				
Number of ECTS credits: 2				
Conditions: /				
Subject goal The main goal is to introduce students with the basics of symbolism and aesthetics in architecture considering the aesthetic and symbolic discourses from ancient history to contemporary times. Special attention is paid to modifications of everchanging aesthetics of architecture, to transformations and rethinking of discourses in the context of challenges and complexity of the global and highly technological world of the twenty-first century.				
Outcome of the subject Students will have the knowledge of aesthetics of architecture and aesthetics as a philosophical discipline, which today represents a significant infrastructural domain of everyday life. The lectures investigate and review basic ideas and concepts from ancient times to the contemporary era, where the processes of aestheticization emerge as a result of the rapid development of technology, science and industrial production in the early twentieth century, and where the majority of our activities is realized through technological means. Students have the opportunity to view architecture through the complex interaction between science, technology, art and production in this context.				
Subject content Thematic lectures discuss the development of aesthetics as a philosophical discipline whose reflections are connected to the historical and theoretical development of architecture and arts. The twentieth and twenty-first centuries in the field of aesthetics of architecture represent a dynamic era in which aesthetics expanded its research beyond the scope of specific arts form to the relationships between various arts, then relationships between art and other disciplines, until it went beyond the limits of the art field and expand to the fields of science, technology, ecology, media and communication, sociology, geography, religion, politics, economics, etc. Therefore, the contemporary aesthetics of architecture is elaborated incompleteness, diversity, fullness, fragmentation, incompleteness, and contradiction of interpretation, fully aware of the dominance of visual sensations and advanced technologies that make the boundaries between real and "unreal" architecture blurred and disappearing. The current focus of the aesthetics of architecture is expression, new structures, advanced technologies, variability, metamorphosis, new materials, "intelligent" architecture, sustainability, environmental preservation, exuberance, grotesque, disappearance of form, digitization, universality, symbolism, fantasy, utopia, hybridity, etc. The effect of the form, meaning and social role of architecture are taking over new dimensions and interpretations in relation to both the ideas and perspectives of previous epochs.				
Literature Владимир Мако, Естетика архитектура, Књ. 1 (Београд: Архитектонски факултет Универзитета у Београду и Орион арт, 2005). Владимир Мако, Естетика архитектура, Књ. 2, (Београд: Архитектонски факултет Универзитета у Београду и Орион арт, 2009). Владимир Мако, Естетичке мисли о архитектури – доба антике (Београд: Архитектонски факултет Универзитета у Београду и Орион арт, 2011). Владимир Мако, Естетичке мисли о архитектури – средњи век, (Београд: Архитектонски факултет Универзитета у Београду и Орион арт, 2012). Ирена Кулетин Ђулафић, Естетичка теорија архитектуре Марка-Антоана Ложијеа (Београд: Архитектонски факултет Универзитета у Београду, 2011). Џилберт-Кун, Историја Естетике (Београд: Дерета, 2004).				
Number of active teaching classes				Other:
Lectures:	Exercises:	OFL:	SRW:	
Method of carrying out the teaching Classes are taught ex-cathedra through thematic lectures according to the curriculum and they cover the most important issues in aesthetics from ancient to modern times. Many examples are elaborated in presentations so that students are encouraged to discuss and interactively participate in lectures. During the semester, two colloquiums are planned to review the acquired knowledge. In addition to that, regular consultation hours are planned, for discussing the reading materials and exam form and for the introduction of students to the ways to form bibliography, and to the methodology of work with archives in libraries.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		points	Final exam	points

Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	20 (10+10)	Final paper	70
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: ARCHITECTURE AND NATIONAL IDENTITY				
Teacher(s): Associate Professor Ph.D. Aleksandar M. Ignjatović				
Status of the subject: Elective				
Number of ECTS credits: 2				
Conditions: /				
Subject goal The main objective of the subject is to introduce students to the basic forms, motivations, and mechanisms of the role of architecture in the process of constructing national identity. Particular objectives of teaching include the acquisition of knowledge and competencies that enable students to perceive, understand and interpret the complex role of architecture as a relevant constituent of the idea of the nation as the most complex intellectual construction of modern times.				
Outcome of the subject Understanding of different social roles and ideological functions of architecture, observation of architecture as a social practice involved in constructing of collective identity. Acquiring knowledge on the relationship between culture, architecture, ideology and politics in the context of new age marked with new forms of social identification.				
Subject content <i>Theory</i> The subject content presents a systematic theoretical study of architecture as the content of national identity in the diachronic perspective. This primarily refers to the historical process of shaping of European nations (XVIII-XIX century). A systematic theoretical study of these complex processes will be set up through different theoretical starting points. In the first part of the course, students will be introduced to the general processes of the emergence and development of nations through the examples of selected European communities, covering a range of problematic aspects; particular attention will be given to those aspects that fall within the realm of visual culture. In the second part of the course, the process of constructing Yugoslav and Serbian national identities will be analyzed simultaneously with architecture as a constitutive part of an ideology. As a necessary link in mastering the required knowledge, students will be directed to independent library work, fieldwork, consultation with the teacher, as well as critical use of other sources of information.				
Literature – Aleksandar Ignjatović, <i>Jugoslovenstvo u arhitekturi 1904-1941</i> (Beograd: Građevinska knjiga, 2007). – Anthony Alofsin, <i>When Buildings Speak</i> (Chicago: The University of Chicago Press, 2006). – June Hargrove and NeilMcWilliam, eds. <i>Nationalism and French Visual Culture, 1870-1914</i> (Washington: National Gallery of Art and New Haven: Yale University Press, 2005). – Lawrence J. Vale, <i>Architecture, Power, and National Identity</i> (London: Routledge, 2008). – Anthony Smith, <i>Nacionalni identitet</i> (Beograd: XX vek, 1998). Active				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: /	OFL: /	SRW: /	
Method of carrying out the teaching The applied teaching methodology varies depending on the said thematic units. Teaching methodology includes a) ex-cathedra lectures; b) active teaching. Thus, each lecture may include several methods of active teaching that is carried out through focused thematic discussions initiated by the teacher and the students. Within each lecture, students may present other aspects of the problem, which shall be analyzed, either individually or collectively. Several thematic units are to include a case study and comparative analysis, via the multitiered analytical reading of artistic and architectural work - from formal and stylistic analysis to cultural interpretation. The teaching also includes regular consultations regarding mid-term exams, preparations for the final exam, and the introduction to working with literature. Teaching will include one or two field trips - a visit to a relevant architectural monument or a similar site in Belgrade, which will set the ground for further work on the problem in the studio.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		points	Final exam	points
Activity during lectures			Written exam	
Practical teaching			Oral exam	
colloquium		50	Final paper	50
Seminar(s)				

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: ART TODAY AND ARCHITECTURE				
Teacher(s): Professor Ph.D. Milorad J. Mladenović				
Status of the subject: Elective				
Number of ECTS credits: 2				
Conditions: /				
Subject goal Lectures provide the review of concepts and theoretical grounds of art today, which enable students to further reflect and study contemporary art topics, particularly those topics and concepts that are important for the development of contemporary architecture. The main intention is to present the broadness of relevant theoretical frameworks, topics, and forms in which contemporary art and contemporary architecture overlap, coexist and complement each other. Provide the students with the ability to enter future research processes and architectural design with an awareness of the intensity of art and architecture synthesis today, and to which extend the character of the aforementioned researches is interdisciplinary. The goal of the subject is to enable students to identify, recognize, critically review and interpret contemporary manifestations of the integration of art and architecture in order to be able to apply the acquired knowledge and experience to the process of designing architecture.				
Outcome of the subject The student will have knowledge of cultural, social and intellectual history, theory and technologies in contemporary art that are relevant for the design, the influence of history and theory that constitutes contemporary arts, thus affecting spatial, social and technological aspects of architecture, application of relevant theoretical concepts in contemporary art parallel to studio design, thereby providing a thoughtful and critical approach to the relationship between contemporary art and architecture. The student will have knowledge on how the theory, practice, and technologies of the visual arts can influence the architectural design, the creative application of visual arts and their importance and influence on architecture, the creative application of similar works in the design process in the studio, in terms of their conceptualization and representation.				
Subject content <i>Theory</i> Theoretical teaching is based on a series of comparative studies of contemporary art, especially contemporary fine arts, and of architecture with elaborate same topics. The lectures are followed by a large number of case studies of contemporary art and case studies of the diverse thematic frameworks relevant today. Theoretical lectures are focused on those topics and concepts that can be recognized in both visual arts and architecture practices. Through theoretical instruction, students gain knowledge of the unique aesthetic and social ground (language) of contemporary art, which constitutes a common artistic discourse of the visual arts and architecture media. Classes include guest lectures as well as visits to venues where current exhibitions or presentations of contemporary art take place. Events are chosen if they are interesting for elaboration in the field of architecture also. <i>Practical learning</i> In practical classes, students have the task to produce smaller-scale works that incorporate gained theoretical knowledge. The thematic lectures provide a framework for individual practical work and establish connections of a broad range of topics and concepts in contemporary art, its theoretical and practical implications. Practical work and final paper are not necessarily scientific works as much as individual and independent research of one chosen topic within presented concepts and topics of contemporary art. Practical work and final paper provide a stimulus for the integration of concepts and topics of contemporary art in the studio research work and studio design project. Practical work tests the possibility to align the media of art and architecture and integrate them into a unique artistic project.				
Literature There is no compulsory literature. Preferred literature is recommended in consultation, and it is dependant on the chosen topic of the seminar paper. Recommended literature is:				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: /	OFL: /	SRW: /	
Method of carrying out the teaching Thematic lectures, practical work, independent research, a case study of integrating contemporary art and architecture				

practice, smaller-scale papers that accompany research work. Students choose independently topics and research methods, and during the semester assisted by a teacher, they improve individual methodology which results in the final paper or small-scale project that is presented as an exam portfolio.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	40	Final portfolio	50
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: THEORY OF URBAN DESIGN			
Teachers: Ph.D. Jelena A. Živković, Associate Professor			
Status of the subject: elective			
Number of ECTS credits: 2			
Conditions: /			
Subject goal			
The course aims to acquaint students with various theoretical concepts, topics, and dilemmas of urban design. The emphasis is on looking at different approaches for understanding the nature, purpose, role, and content of urban design concerning the economic, social, cultural, and natural-environmental conditions of urban development.			
Outcome of the subject			
After the completion of the course, students are expected to:			
<ul style="list-style-type: none">• have knowledge of different theories, concepts, and dimensions of urban development• understand the multidisciplinary nature and nature of the urban design process, as well as its relationships with social, economic, political, natural-ecological and cultural contexts• understand the complex role of urban design in contemporary urban development• be introduced to contemporary topics, problems and debates in the field of urban design and they will be able to participate in them• develop the ability to think critically, and they will be able to independently formulate urban design quality criteria in a given spatial and social context			
Subject content			
Theory			
Through lectures and interactive forms of teaching, the course deals with several thematic units:			
<ul style="list-style-type: none">• Defining the subject of urban design theory;• Introduction to the various philosophical foundations, concepts, theories, and models in urban design;• Overview of basic topics in urban design;• Considering different approaches to research in urban design;• Consideration of the dimensions of urban design (morphological, perceptual, social, visual, functional, environmental, temporal) in different theoretical concepts;• Recognizing the role of urban design in contemporary urban development;• Review of new approaches to the design of urban space concerning contemporary urban phenomena and problems;• Consideration of the relationship between urban design theory and practice.			
Literature:			
<ul style="list-style-type: none">• Carmona M, Heath T., Oc T., Tiesdell S. (2003) Public Places Urban Spaces: The Dimensions of Urban Design, Oxford, UK: Architectural Press• Carmona M., Tiesdell S. (eds.) (2007) Urban Design Reader, Oxford, UK: Architectural Press.• Kelbaugh D., McCullough K. (2008) Writing Urbanism: A Design Reader, NY: Routledge• Madanipour A. (1996) Design of Urban Space: An Inquiry into a Socio-spatial Process, NY: John Wiley and Sons• Šoe, F. (1978). Urbanizam, utopija i stvarnost, Beograd: Građevinska knjiga• Elin, N. (2002). Postmoderni urbanizam, Beograd: Orion.• Живковић Ј. (2015) Теорија урбаног дизајна - практикум, Београд: Универзитет у Београду - Архитектонски факултет			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching			
Classes are realized through interactive lectures, presentations, discussions, workshops, individual and group work, research			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 60	Final exam	total points 40
activity during lectures	10	written exam	40
colloquium(s)	50		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: CITY MANAGEMENT - URBAN MANAGEMENT			
Teachers: Ph.D. Uroš B. Radosavljević, Associate Professor			
Status of the subject: elective			
Number of ECTS credits: 2			
Conditions: /			
Subject goal The goal is to introduce theoretical concepts and contemporary paradigms of city management and urban management and establishing relationships with urban development. Then, to master individual contemporary urban management instruments with fair outcomes. Equitable outcomes include the involvement of actors and stakeholders in the creation, reprogramming, and transformation of space in a pluralistic society. Also, the aim is for students to gain a basic understanding of contemporary concepts of urban management and city management at the local level. To understand the types, uses, and effects of contemporary urban management and management instruments, as well as to understand the role of architects and urban planners in these processes of creating quality places with fair and optimal outcomes.			
Outcome of the subject The course helps students to develop an understanding of the need for city management and urban management. Also, the ability to perceive foreign and national types of contemporary urban management instruments, raise awareness and gain skills to use specific tools for analyzing the effects of using instruments concerning urban development management policies.			
Subject content <i>Theory</i> Traditional urban plans, development regulations, and zoning are still used today to manage urban development at the local level. Traditional planning instruments limit the management of urbanization, social and economic polarization, and fragmentation of society. The main constraints on their implementation arise from the non-involvement of all relevant actors in the planning process, sectoral planning, non-linking of actors, resources, and implementation institutions, and low capacity of local governments to organize the whole process. A growing number of local communities around the world are embracing new concepts of governance and urban management to ensure balanced growth and create and implement desired policies, plans, and actions. Such challenges between territory management and space production require urban management and instruments for the operationalization of the interests of actors in creating integrated solutions. Students explore different types of contemporary instruments of city management and urban management, specific urban examples in which instruments of city management and urban management have been applied, as well as the effects of using the instruments concerning urban development management policies.			
Literature: 1. Bovaird, T. and Löffler, E. (2003) <i>Public Management and Governance</i> , London: Routledge 2. Fainstein, S. (2010) <i>The Just City</i> , New York: Cornell University Press 3. Janssen-Jansen, L., Spaans, M., and Veen, M.v.d. (ed.) (2008) <i>New Instruments in Spatial Planning: An International Perspective on Non-financial Compensation, Sustainable Urban Areas 23</i> , Amsterdam: IOS Press BV 4. Mattingly, M. (1994) 'Meaning of urban management', <i>Cities</i> , vol. 11, no. 3, pp. 201–205. 5. Vedung, E. (1998) 'Policy Instruments: Typologies and Theories', in Bemelmans-Videc, M.-L., Rist, R.C., and Vedung, E. (ed.) <i>Carrots, Sticks, and Sermons: Policy Instruments and Their Evaluation</i> , Piscataway, NJ & London: Transaction Publishers, pp. 21-58. 6. Pierre, J. (2011) <i>The Politics of Urban Governance</i> , Basingstoke: Palgrave Macmillan 7. Радосављевић, У. (2014) <i>Формирање модела урбаног менаџмента у реализацији стратешких пројеката</i> , докторска дисертација, Београд: Архитектонски факултет 8. Radosavljević, U., Đorđević, A., Živković, J., Lalović, K. & Đukanović, Z. (2019) <i>Educational Projects for Linking Place Branding and Urban Planning in Serbia (2019) European Planning Studies</i>			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Classes are realized through interactive lectures, case studies, thematic research			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 50	Final exam	total points 50
activity during lectures	10	seminary work	40
colloquium(s)	20	oral defence of seminary work	10
seminar(s)	20		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture _ Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture			
Name of the subject: EVOLUTION OF CONSTRUCTION PRINCIPLES AND CONSTRUCTION TECHNIQUES			
Teacher(s): Assistant Professor Ph.D. Ljiljana S. Đukanović (1), Professor Ph.D. Ana P. Radivojević			
Status of the subject: elective			
Number of ECTS credits: 2			
Conditions: /			
Subject goal The subject goal is to introduce students to the evolution of construction ideas, changes in the application of materials and constructive principles, the development and improvement of construction techniques in residential building construction in Serbia. Transformation of residential buildings in rural and urban areas is analyzed through reflections of social and historical circumstances on changes in the sphere of construction, and influential factors relevant to the development of building ideas are considered, including contemporary ideas of sustainable construction in case of respect for the constructed fund as a significant state resource.			
Outcome of the subject The outcome of the subject is understanding the lessons from the past, both in applying certain construction principles and in understanding the possibilities of applying particular materials. By studying the development of construction techniques and application of materials in domestic conditions, students acquire knowledge about the structure and characteristics of the constructed housing stock, which are necessary prerequisites for establishing an adequate attitude in the domain of its preservation through the processes of maintaining, reconstructing and improving the quality of life in them.			
Subject content <i>Theory</i> Lectures are theoretical. The focus in lectures are related to the construction of residential buildings in Serbia from the period of 19. century to the present period. 19. Century presents the starting point in case of the formation of building stock in Serbia. With this period of almost two centuries is possible to include different construction principles and techniques which were changed over this period. Techniques of constructions that are considered in lectures: rammed earth constructions, timber constructions, masonry constructions, the use of reinforced concrete, development of prefabricated constructions. <i>Practical learning</i> Practical work presents the research of the examples of residential buildings that are constructed in the past, in rural and urban areas in Serbia, which by their structures, applied materials, and construction techniques present specific construction ideas and present the breakthrough in construction ideas of a specific period. Students, besides the literature research, are recording buildings through fieldwork in case of an overview of the elements of the structure of specific buildings and their level of preservation.			
Literature 1. Ђукановић, Љ. (2019). Технике грађења и развој грађевинске делатности у стамбеној архитектури Београда у међуратном периоду. Наслеђе. 2. Ђукановић, Љ. (2017). Развој техника грађења у стамбеној архитектури Београда током 19. и почетком 20. века. Наслеђе. 3. Radivojević A, Đukanović Lj., Roter Blagojević M. (2016) From tradition to modernization – building techniques in Serbia during 19th and early 20th century. Proceedings SAHC, Leuven. 4. Јовановић Поповић М., et al. (2013) Атлас вишепородичних кућа Србије / Atlas of Multi-family Housing in Serbia. Beograd: Arhitektonski fakultet Univerziteta u Beogradu i GIZ. 5. Јовановић Поповић М., et al. (2012) Атлас породичних кућа Србије / Atlas of Family Housing in Serbia. Beograd: Arhitektonski fakultet Univerziteta u Beogradu i GIZ.			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Ex-cathedra lectures, discussions, presentation, field work.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	60
Practical teaching		Oral exam	
Colloquium	30		
Seminar(s)			

Table 5.2 Specification of subject

1.2 Specification of subject			
Study program: Master academic studies Architecture / Module A, Module U, Module AT, Module AE			
Name of the subject: DYNAMICS OF STRUCTURES AND FOUNDATIONS			
Teacher(s): dr Radojko M. Obradović, assistant professor			
Status of the subject: elective			
Number of ECTS credits: 2			
Conditions: /			
Subject goal Introduction to the difference between static and dynamic impacts, the types of dynamic impacts, and the conditions it takes to satisfy a building in order to have the required safety and security. Getting acquainted with the basic types of foundation, methods of performing soil works, choosing the type of foundation.			
Outcome of the subject The course outcome is acquiring the necessary knowledge that enables the design of buildings resistant to dynamic impacts and the optimal choice of types of foundations and dimensions of foundations.			
Subject content <i>Theory</i> Within the course, students are introduced to the types of dynamic influences (earthquake, wind, vibration), the elements that are most effective for increasing the safety and resilience of buildings to this type of impact, approximately determining their dimensions and arrangement in the building. Students are introduced to the basic types of foundations, the characteristics of each type, and the reasons for which specific type is applied. Through the examples from practice, the advantages and possible disadvantages of the type of foundation applied are analyzed. Students are presented with basic ways of performing soil work and requirements that must be met. <i>Practical learning</i> /			
Literature S. P. Timošenko, D.H. Jang, <i>Teorija konstrukcija</i> , Beograd: Građevinska knjiga, 1968. Milan Đurić, <i>Stabilnost i dinamika konstrukcija</i> , Beograd: Građevinski fakultet Univerziteta u Beogradu, 1980. Stevan Stevanović, <i>Fundiranje</i> , Beograd: Građevinski fakultet, 1974.			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching During the course, there are lectures ex-cathedra, analyzed case studies, and active participation in the discussions are encouraged.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	50	Written exam	
Practical teaching		Oral exam	
colloquium		Seminar work	50
Seminar(s)			

ELECTIVE SUBJECT 2 - URBANISM

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: CITY AND DESIGN				
Teachers: Ph.D. Eva J. Vaništa-Lazarević, Professor				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: /				
Subject goal				
Introducing students to current problems and phenomena related to the city, as a theoretical platform on which conceptions of project solutions within the study will be based. Depending on the scope of the specific tasks which will be addressed in the studies, the approach to the problem will have a strategic, tactical, and operational character, which will depend on the final product of the design process_ development scenario, urban project or architectural project.				
Outcome of the subject				
The aim is to raise understanding and ability to use the methods of the reconstruction of neglected and construction of new urban settlements, both at the level of the entire city, as well as at the level of major urban moves and spatial units and specific locations.				
Subject content				
Theory and practical learning include acquaintance with urban design and regeneration methods, with relevant urban processes, phenomena, and ideas that affect transformations and urban renewal.				
Literature:				
Vaništa Lazarević, Eva. Obnova gradova u novom milenijumu. Beograd: Classic map studio, 2003.				
Vaništa Lazarević, Eva. Urbana Rekonstrukcija. Beograd: Zadužbina Andrejević, 1999.				
Bajić Brković, Milica, ur. Kreativne strategije za održivi razvoj gradova u Srbiji. Beograd: Arhitektonski fakultet 2010.				
Stupar, Aleksandra. Grad globalizacije: Izazovi, transformacije, simboli. Beograd: Arhitektonski fakultet i Orion art 2009.				
Madanipour, Ali. Design of Urban Space: An Inquiry into a Socio-spatial Process. Baffins Lane, Chichester: John Wiley & Sons Ltd., 1996				
Number of active teaching classes				Other: 0
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	
Method of carrying out the teaching				
ex cathedra + interactive lectures				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 50		Final exam	total points 50
colloquium(s)	50		written exam	50

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: INTEGRATED URBAN DEVELOPMENT STRATEGY				
Teachers: Ph.D. Ratka P. Čolić, Assistant Professor				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: /				
Subject goal Understanding the theoretical framework of collaborative planning, critique, and its application in contemporary European planning practice through an integrated urban development strategy; Strengthening students' critical awareness of current research and contemporary urban development planning practices in the EU and Serbia; Understanding the development of an integrated urban development strategy as a new planning practice; Developing transferable and professional skills that will allow students to demonstrate initiative and personal and professional responsibility.				
Outcome of the subject The student will be trained for integrated urban development planning following European practice upon completion of the course.				
Subject content <i>Theory</i> The integrated urban development strategy is a European planning instrument. It is based on collaborative planning as a theoretical framework and a model of action in practice. Teaching includes learning about the importance of strategy, understanding the process of making a strategic plan, as well as identifying needs and creating a strategy for urban development of individual intervention zones (central urban areas with stagnant or declining economic growth, reduced attractiveness, threatened identity; brownfield sites, areas exposed to environmental problems, climate change, inadequate urban structures, etc.). <i>Practical learning</i> Students are introduced to specific topics both in the local context (selected site) and European integrated urban development strategies (through case studies) - development of vulnerable and underutilized urban areas and neighborhoods; change of physical structures; social inclusion and the fight against poverty; housing (new, renewal, improvement of conditions); cultural heritage; infrastructure development; sustainable urban transport, mobility, public transport; climate changes; environmental protection, energy efficiency; "low carbon" economy; employment and labor mobility; research, technological development, and innovation; ICT availability and quality; competitiveness of SMEs; education and training; institutional capacity and efficient public administration.				
Literature: Albrechts, L. (2004) Strategic (spatial) planning reexamined. Environment and Planning B: Planning and Design 31(5) 743–758. Чолић, Р. (2016) “Стратегија интегралног урбаног развоја (СИУР) – нови инструмент планирања урбаним развојем у Србији” у (Х.Милер, Б.Верман, Р.Чолић и др.) Управљање земљиштем у урбаним подручјима у Србији, Резултати шестогодишње српско-немачке сарадње, Могул 1: Управљање земљиштем у урбаним подручјима, AMBERO Consulting представништво Београд, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, GIZ канцеларија у Београду, Colorgrafx, Београд, Март 2016, стр: 72-89. Чолић, Р.,Мојовић, Ђ., Петковић, М., Чолић, Н. (2013) Водич за партиципацију у планирању урбаног развоја. Београд: GIZ/ AMBERO-ICON Faludi, A. (2014) EUropeanisation or Europeanisation of spatial planning? Planning Theory & Practice, 15:2, pp.155-169. Гаули, Ј, Чолић, Р. (2018). <i>Стратегија интегралног урбаног развоја – Водич за градове и општине</i> , AMBERO Consulting, представништво Београд, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ), Београд, децембар, 2018. Нови Сад: Artprint Media Healey P. (1998) Collaborative Planning in a Stakeholder Society, Town Planning Review 69 (1998)				
Number of active teaching classes				Other: 0
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	
Method of carrying out the teaching Lectures, site visits, group discussions, workshops, interviews with experts, small-scale written and graphic works (colloquiums) and seminar work.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 50	Final exam	total points 50	
practical teaching	20	seminar(s)	40	
colloquium(s)	30	oral exam	10	

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: SPATIAL COMPOSITION				
Teachers: Arch. Ivica Lj. Nikolić, Assistant Professor				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: /				
Subject goal The course aims to enable students to connect the acquired knowledge and skills in the field of urbanism and architecture, with new knowledge in the field of spatial composition, to further master the skills of urban-architectural design, with particular emphasis on the creating and design of complex urban-architectural units in a realistic urban environment.				
Outcome of the subject Adequate knowledge of urban design, planning, and the skills involved in the planning process. The graduate will acquire knowledge of: <ol style="list-style-type: none">1. theories of urban design and the planning of communities;2. the influence of the design and development of cities, past and present on the contemporary built environment;3. current planning policy and development control legislation, including social, environmental and economic aspects, and the relevance of these to design development				
Subject content <i>Theory</i> In consists of theoretical background, analysis of urban development, and historical continuity, necessary to formulate, improve and develop spatial compositions, comparative analysis of complex urban-architectural arrangements, presentation, and case study analysis overview of the essential thematic areas of spatial composition. <i>Practical learning</i> In the practical part, students successively during the semester accomplish and present multiple tasks. They are based on theoretically elaborated topics such as SC and landscape - Macroelements of SC, SC and landscaping - Instruments of classical urbanism and architecture, Interpretation - recontextualization of different concepts and projects (typology) into the master project's defined situation.				
Literature: Crier, Robert, Architectural Composition. New York: Rizzoli, 1973 T.M. de Jong and T.J.M van der Voordt (eds.), Ways to study and research. Urban, architectural and technical design, Delft: Delft University Press, 2002 Leupen, B., Grafe, C., Kornig, N., & Lampe, M., Design, and Analyses. Rotterdam: NAI, 1997				
Number of active teaching classes				Other: 0
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	
Method of carrying out the teaching Teaching is carried out through a combination of several different types of work, such as interactive lecture debates, case studies, comparative analysis of cases.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 60	Final exam		total points 40
activity during lectures	10	written exam		40
practical teaching	50			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: INFORMAL URBAN GROWTH			
Teachers: Ph.D. Biserka Č. Mitrović, Associate Professor			
Status of the subject: elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal Introducing students to the concept and importance of informal city growth in the development of contemporary cities; Mastering specific knowledge, approaches, and principles with the aim of understanding and interpreting urban development in the context of informal urban growth; Understanding of regional characteristics of informal city growth, with particular reference to features in Serbia; Mastering the research process and methods and their applications in the context of a case study of informal urban growth; Developing students' critical and creative approaches through the use of their chosen research.			
Outcome of the subject The outcome is adequate knowledge of the process of urban growth in Serbia and the world without the action of urban planners and architects. Also, the effects of informal urban growth on the urban context in the past and the present, adequate knowledge of planning policies and concepts that seek to adapt the city's informal growth to contemporary standards and quality of life.			
Subject content <i>The theoretical part</i> refers to the presentation of the informal growth of a city, its importance, and its distribution in developing countries. The genesis of emergence and spread in the context of different socio-economic and political and other circumstances; modalities of its expression; the (in)possibility of integrating it into the contemporary urban and architectural context and concept of the city; exploration of new approaches and principles in the field of physical, functional, regulatory, social, economic and other mechanisms and their application with the aim of sustainable improvement of informal urban communities. Students should apply the selected theoretical framework to research a specific case study of informal settlements. Students, individually or in small groups, choose a well-known case study for research and present its structured features, significant for understanding the context and opportunities for improving informal settlements. A proactive approach to research is emphasized, and the formation of a methodological apparatus is expected as a kind of set of principles, guidelines, rules, and instructions for action in the specific case of informal settlements.			
Literature: 1. UN-HABITAT: Cities Without Slums, UN-Habitat Press, Nairobi, 2002. 2. ПЕТОВАР, К.: Урбана социологија: Наши градови између државе и грађанина. Београд: ГФ УБ, АФ УБ, ИАУС, 2003. 3. TSENKOVA, S.: Trends and Progress in Housing Reforms: In South Eastern Europe. Paris, 2005. 4. HAMILTON, I., DIMITROVSKA ANDREWS K., PICHLER MILANOVIĆ, N.: City Development since 1990: Transformation of cities in central and Eastern Europe: Towards globalization, UN University Press, Japan, 2005. 5. Mitrović B, AntoniĆ B. Possibilities of the EcoTown Concept Application: the Principles and Guidelines for the Case Study of Jelezovac–Sunčani Breg Informal Settlement, Belgrade. Nano, Bio Green Technologies for a Sustainable Future, SGEM Scientific Papers DataBase. Volume 14/2: Green building technologies and materials, Green design and sustainable architecture, pp 581-588, ISBN 9786197105100; ISSN 1314-2704 DOI: 10.5593/SGEM2014/B62/S27.075, 2014. 6. Mitrović B, Maric J., Vukovic T.: Land use and master planning under the pressure of informal city growth: a case study of Belgrade, y: Integrated urban planning: directions, resources, and territories, Integrated urban planning: directions, resources and territories, pp. 191 - 213, ISBN 978-94-6366-033-4, 2018.			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Interactive lectures, case studies, research projects, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 60	Final exam	total points 40
activity during lectures	8	written exam	25
task	12	oral exam	5
colloquium(s)	50		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: URBAN CENTERS				
Teachers: Ph.D. Ksenija Ž. Lalović, Associate Professor				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: /				
Subject goal The course goal is to establish a cognitive framework for overview, understanding, exploring, and formulating proposals for sustainable transformations of settlements' central spaces within the urban context. It aims to develop an understanding of the structural complexity of the city center network, the critical factors behind the generative change, the dynamism, and the stochastic nature of development processes. Also, it builds up the student's ability to recognize typologies and methodologically articulate and systematize knowledge about city centers.				
Outcome of the subject The graduate will acquire knowledge of: <ol style="list-style-type: none"> 1. theories of urban design and conceptual approaches to the planning of settlements and city centers; 2. the effects of the design, planning, and development of urban centers in the past and the present on contemporary trends in sustainable urban development; 3. current policies and instruments governing the processes of sustainability and redevelopment of urban centers, including social, economic and environmental aspects and their importance for the development of the settlement or the city as a whole; 4. structuring the monitoring and evaluation model and the quality of the functional and spatial quality of the central zones. 				
Subject content <i>Theory</i> Definition of the concept of the city center and central functions, bearers of centrality, their importance in the development of settlements and urban structure. Theoretical foundations - elements of the locational, structural, and procedural theory. Classification of centrality functions and recognition of private and public sector roles. Central places as a homologous expression of centrality functions. Factors for the development of a city centers' network - social, economic, technological, natural. Historical review of the causal connections between the structure of city centers and the primary factors of development. Characteristics of the process of development of the centers' network concerning the degree of public control, internal and external factors of development - concentration and dispersion processes, observed through different spatial levels in cities with varying levels of development. Typological classification of city centers concerning the time of origin, functional role in the city, rank, type of common needs to which it responds, etc. Characteristics and nature of the city center system. Modeling and programming concepts of new centers in the city. A strategic approach to the development of urban centers. Essential elements of planning and urban regulation of central urban areas - location factors, capacity sizing, and programming. Critical criteria for evaluating the quality of the organization of the center space and the functionality of the city. Principles of spatial organization and design articulation. <i>Practical learning</i> Individual case study of a selected settlement center				
Literature: Herzog, L., 2006, Return to the Center: Culture, Public Space, and City-Building in a Global Era, University of Texas Press Gwyndaf, Williams, 2003, The Enterprising City Centre: Manchester's Development Challenge, Routledge Chapman & Hall Whyte, William H., 2012, City: Rediscovering the Center, University of Pennsylvania Press Badovinac, Petar, 1997, "Centralne urbane funkcije-Centri", Arhitektonski fakultet, Beograd Mirko Maretić, 1996, Gradski centri, Manualia Universitatis studiorum Zagrabienensis, Zagreb Cyril B. Paumier, 2004, Creating a Vibrant City Center: Urban Design and Regeneration Principles, Urban Land Institute				
Number of active teaching classes			Other: 0	
Lectures: 1	Exercises: 1	OFL: 0		
Method of carrying out the teaching lectures, interactive teaching, case analysis, individual / group research				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 60	Final exam	total points 40	
practical teaching	20	seminary work	40	
colloquium(s)	40			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture
Name of the subject: ARCHITECTS AND CIVIC INITIATIVES FOR SUSTAINABLE DEVELOPMENT
Teachers: Ph.D. Danijela M. Milovanović-Rodić, Assistant Professor
Status of the subject: elective
Number of ECTS credits: 3
Conditions: /
Subject goal The main objectives of the course are: (a) understanding the phenomena of civic initiatives and gaining knowledge of their potential to achieve sustainable solutions to development problems; (b) understanding the relationship between the profession of architecture and civic initiatives; (c) introduction with modalities of professional action to improve the quality of life of vulnerable and marginalized population categories in urban slums, poor and remote rural areas, refugee camps or temporary accommodation due to disasters caused by natural disasters or human activity; (d) cooperation with specific civic initiatives in the formulation of solutions for improving the quality of life of these categories of the population.
Outcome of the subject Understanding of the architectural profession and the role of the architect in society, in the preparation and realization of socially and environmentally responsible and projects of different spatial forms that can be realized in a concrete context. The graduate will have an understanding of: <ol style="list-style-type: none"> 1. the theoretical foundations of design WITH and FOR community, sustainable development and collaborative and participative architectural and urban practices; 2. different modalities of architect-community relations, relations with regard to the public good and public / common interest; 3. ways of assessing the impact of projects / professional activities on existing and future communities; 4. the obligations and responsibilities of architects towards users and the wider society. The graduate will have knowledge of: <ol style="list-style-type: none"> 1. current planning policy and development control legislation, including social, environmental and economic aspects, and the relevance of these to design development. 2. the basic professional and legal responsibilities of the architect and the procedures in the construction process The graduate will have skills to: <ol style="list-style-type: none"> 1. articulates the project assignment, taking into account their needs, opportunities and ideas about development in the collaborative process for/with the target groups; 2. critically examines conditionality conditions and opportunities (financial framework, time, qualifications and capacities, other available resources, etc.) for the realization of the project task; 3. based on the tested project assignment in that way, formulates a sustainable solution (there can be different forms and spatial coverage) that can be fully or partially implemented in a given context / location.
Subject content <i>Theory</i> Within the framework of theoretical teaching, the modalities of action of architects sensitive and responsible in relation to community problems and capable of participating in collaborative processes of formulating and implementing sustainable solutions are discussed and reviewed. The complexity of environmental, economic, social and political changes, as well as the increasing exclusion of architects from the process of formulating and implementing responses to these changes, require a rethinking of the role and position of architects, architecture and urbanism in community development. The course encourages social sensibility and a proactive role for architects, and sees urban and architectural solutions and the process of their realization as a means to increase the capacity of communities to cope with current as well as future development problems. The teaching examines the model of the architect, who is not "one who provides services" but "one who empowers" individuals, groups and communities with his knowledge and actions. <i>Practical learning</i> The aim of the practical teaching is to build the capacity of students to participate in collaborative processes - mastering the skills to establish communication between different actors, sectors and disciplines. For a specific chosen context, students research and define in a collaborative process with a community / target group / civic initiative a key development problem and formulate answers for it - socially and environmentally responsible and economically justifiable solutions for improving the living conditions of the local population and protecting nature. Learning outcomes of the course are project ideas intended for a specific group of people or a specific area, but they can also be of a general nature so that they can be applied in similar development contexts in Serbia and the region. Projects implemented within the course may vary in scope, outcomes and number of actors involved - citizens' initiatives, but also relevant experts, representatives of local institutions, entrepreneurs and individuals.

Literature:

Bell, B., Wakeford, K. (ed) (2008): Expanding Architecture: Design as Activism. Metropolis Books

Brillembourg, A., Klumpner, H., Coulombel, P. (2011): Beyond shelter: architecture and human dignity. Metropolis Books

Cary, J. (ed)(2010): The power of pro bono. Metropolis Books

Lepik, A. (ed)(2010): Small Scale, Big Change. MoMA

Milovanović Rodić, D., Stojić, B., Milovanović, A. (2018). Architecture as Social Innovation: Education for New Forms of Professional Practice. In Krstić-Furundžić, A., Vukmirović, M., Vaništa Lazarević, E., Đukić, A. (Eds.). In: Conference Proceedings - 5th International Academic Conference Places and Technologies: Keeping up with technologies to adapt cities for future challenges. University of Belgrade - Faculty of Architecture. pp. 255-262

Milovanović Rodić, D. (2015). Edukacija za rehabilitaciju pozicije i uloge urbanista u procesima upravljanja razvojem grada. U Maruna, M.; Čolić, R. (ur): Inovativni metodološki pristup izradi master rada. Str. 6-26. Beograd: Arhitektonski fakultet

Milovanović Rodić, D. (2015). Local Development Strategies Without Strategic Thinking: Lost In Between Politicians' Games, Administrations' Rigidity And Planner's Depression. SAJ - Serbian Architectural Journal, University of Belgrade, Faculty of Architecture, vol. 7, no. 3, pp. 381 – 400

Миловановић Родић, Д., Лаловић, К. (2015). Архитекти и грађанске иницијативе за одрживи развој. Београд: Архитектонски факултет. Практикум. (ЦД)

Milovanovic Rodic D., Lalovic, K. & Zivkovic J. (2012). Architecture for the Other 90%: Social Activism, Economic Or Climate Crisis Respond. In: Architecture and Ideology. Belgrade: FA

Milovanović Rodic, D., Zivkovic, J. & Lalovic, K. (2013). Changing architectural education for sustainable future: A contribution to the discussion. Spatium, (29): 75-80

Миловановић Родић, Д., Лаловић, К., Радосављевић, У. (2013). Процес формулисања одрживих решења са локалним иницијативама у рибарском насељу Текија и Крушевцу, у Климатске промене и грађена средина. Београд: ИАУС

Oppeneheimer, A., Hursley, T. (1998): Proceed and Be Bold: Rural Studio After Samuel Mockbe. Princeton Architectural Press

Sinclair, C. (2006) A call for open-source architecture. TED talks.
http://www.ted.com/talks/cameron_sinclair_on_open_source_architecture.html

Smith, C. (2007): Design for the other 90%. Cooper Hewitt, Smithsonian Museum

Stohr, K., Sinclair, C. (eds) (2006 & 2012): Design like you give a damn 1 & 2. Harry N. Abrams

UNESCO/UIA Charter for Architectural Education, Revised Version 2005. The International Union of Architects

Number of active teaching classes

Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	Other: 0
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Method of carrying out the teaching

Classes are a combination of lectures, interactive exercises, collaborative workshops, study tours of the area and practical fieldwork.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	total points 50	Final exam	total points 50
activity during lectures	10	final elaborat	40
colloquium(s)	40	oral presentation of work	10

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: URBAN INFRASTRUCTURE			
Teachers: Ph.D. Danilo S. Furundžić, Assistant Professor			
Status of the subject: elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal The course aims to introduce students to aspects of urban planning and design of infrastructure networks and services. It aims to develop the ability to recognize the structure, elements, processes, and factors of urban infrastructure development with an emphasis on transportation infrastructure.			
Outcome of the subject The outcome is adequate knowledge of urban design, planning, and the skills involved in the infrastructure planning process. The graduate will acquire knowledge of theories of urban design and the planning of communities; <i>Understanding of the profession of architecture and the role of the architect in society, in particular in preparing briefs that take account of social factors.</i> The graduate will have an understanding of the role of the architect within the design team and construction industry, recognizing the importance of current methods and trends in the construction of the built environment; <i>Understanding of the methods of investigation and preparation of the brief for a design project.</i> The graduate will develop an understanding of architects and co-professionals contributions in the formulation of the brief. Also, the methods of investigation used in its preparation. <i>Adequate knowledge of physical problems and technologies and the function of buildings to provide them with internal conditions of comfort and protection against the climate.</i> The graduate will know about systems for environmental comfort realized within relevant precepts of sustainable design.			
Subject content The course covers the necessary theoretical knowledge in the area of the city's urban infrastructure, characteristics, typology, constraints, and development opportunities. Introduction to the essential elements of urban planning of urban and/or transport infrastructure. Understanding contemporary theoretical, conceptual, and practical conceptions of sustainable urban development about infrastructure, as well as applicability in the context of Serbia. Sustainability of the existing infrastructure network from environmental, economic, and social aspects. Advantages and disadvantages of an existing transport network. Application of basic principles of urban design for the design of different types of spaces, depending on the needs of infrastructure equipment of city's, urban spaces. Research, i.e. the applicability of modern trends and the use of modern technology in the development of a city's infrastructure network.			
Literature: <ul style="list-style-type: none">• БАДОВИНАЦ, П. (1993) Централне урбане функције - центри, Архитектонски факултет, Београд.• ВЕСНИЋ-НЕЂЕРАЛ, Ж. (1997), Урбана рекреација - функционално и просторно организовање рекреативних простора у граду, Архитектонски факултет, Београд.• ЋУКОВИЋ, М. (1985), Градски центри, Свијетлост, Сарајево.• ЖЕГАРАЦ, З. (2001), Урбана инфраструктура, Београд.• КОРИЦА, Р. (2008) Инфраструктура, саобраћај, урбанизам, архитектура, Архитектонски факултет, Београд.• МАЛЕТИН, М. (2005), Планирање и пројектовање саобраћајница у градовима, Орион Арт			
Number of active teaching classes			Other: 0
Lectures: 1	Exercises: 1	OFL: 0	
SRW: 0			
Method of carrying out the teaching Teaching is conducted through ex-cathedra lectures and interactive lectures.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 40	Final exam	total points 60
activity during lectures	20	written exam	60
colloquium	20		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: ECOPOLIS: ECOLOGICAL RESILIENCE OF THE CITY - CONCEPTS			
Teachers: Ph.D. Ivan Ž. Simić, Assistant Professor			
Status of the subject: elective			
Number of ECTS credits: 3			
Conditions: current semester enrolled			
Subject goal The objective of the course is to study contemporary environmental concepts of urban resilience that have significantly changed the urban theory and practice over the last few decades. Climate change and environmental problems pose significant challenges to cities around the world. Their development and survival now depend on the application of new concepts through adjustment and adaptation strategies to climate change, strengthening resilience, and systematic implementation of sustainability principles in all spheres of urban development. It includes the improvement of the existing physical structure as well as the processes of building new ecological urban forms. The course will study theoretical concepts and models of environmentally resilient cities and their application in case studies of contemporary cities with high environmental ratings.			
Outcome of the subject Adequate knowledge of urban design, planning, and the skills involved in the planning process. The graduate will acquire knowledge of: <ol style="list-style-type: none">1. theories of urban design and the planning of communities;2. the influence of the design and development of cities, past and present on the contemporary built environment;3. current planning policy and development control legislation, including social, environmental, and economic aspects, and the relevance of these to design development.			
Subject content <i>Theoretical teaching</i> consists of introducing students to the basic theoretical principles of urban ecology and the interdisciplinary relations of ecology and urbanism/architecture. After they acquire basic theoretical knowledge in the field, the students ready for independent research work. It involves selecting and conducting a case study of one of the cities that have applied knowledge in the interdisciplinary field of ecology, urbanism and architecture, i.e., implemented through projects, plans, policies, strategies, etc. In the final phase of the teaching process, students will participate in a workshop where, in collaboration with visiting experts in relevant fields, they will have the opportunity to apply their knowledge to a practical project whose topic will be subsequently identified. <i>Practical learning</i> is in the form of interactive teaching - debate, presentation, action research.			
Literature: (1) Saks, Dž. (2014) Doba održivog razvoja. Beograd: Službeni glasnik. (2) Gidens, E. (2009) Klimatske promene i politika. Beograd: Klio (3) Pickett, Steward. T. A., Cadenasso, M. L., McGrath, B. (2013) Resilience in Ecology and Urban Design – Linking Theory and Practice for Sustainable Cities. London: Springer (4) Downton, P. (2009). Ecopolis: Architecture and cities for a changing climate. Springer, Dordrecht.			
Number of active teaching classes			Other: 0
Lectures: 1	Exercises: 1	OFL: 0 SRW: 0	
Method of carrying out the teaching Ex-cathedra lectures, interactive lectures, and workshop			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 40	Final exam	total points 60
activity during lectures	10	elaborat	60
colloquium(s)	30		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: CITY EXPERIMENT			
Teachers: Ph.D. Vladimir M. Mihajlov, Associate Professor			
Status of the subject: elective			
Number of ECTS credits: 3			
Conditions: Basic knowledge of urban design and urban functions			
Subject goal <ul style="list-style-type: none">• Introducing (not)visible cause and effect relationships in the city structure;• Identification of significant theorists and practitioners who contributed to explaining the city as a social phenomenon;• Introducing with the events and publications that have determined the development of urbanism as a discipline;• Noting different approaches to contemporary urban themes and problems;• Developing a critical approach to sources.			
Outcome of the subject <p>Adequate knowledge of urban design, planning, and the skills involved in the planning process.</p> <p>The graduate will acquire knowledge of:</p> <ol style="list-style-type: none">1. theories of urban design and the planning of communities;2. the influence of the design and development of cities, past and present on the contemporary built environment;3. current planning policy and development control legislation, including social, environmental, and economic aspects, and the relevance of these to design development.			
Subject content <p><i>Theory</i></p> <p>Looking at the city as an experiment in vivo, we conclude that many variables affect its result and that it often has an uncertain outcome. However, while artificial (in vitro) conditions in a city are almost impossible to simulate, there are certain regularities and relationships, "chemical" reactions that can be assumed in a live experiment called the city. The first group of assumptions concerns the links between the physical and socio-economic phenomenon. The second group is related to the planning, design, and regulation of space, with an emphasis on understanding the various interests, knowledge, and logic of the actions of the actors involved. The third group of assumptions covers the principles/theories developed within different sciences: philosophy, sociology, psychology, geography, economics, ecology. Finally, the fourth group encompasses visionary ideas, utopias, and ideal models within which numerous interesting ideas have been developed that have transformed the scientific and political view of cities and their structure.</p>			
Literature: <ol style="list-style-type: none">1. Лазаревић Бајец Н. (1987). Град између емпирије и утопије, ИЦССОС2. Шое, Ф. (1978). Урбанизам, утопија и стварност. Београд. (избор поглавља)3. Сервије, Ж. (2005). Историја утопије. Београд: Клио (избор поглавља)4. Елин, Нан. (2002). Постмодерни урбанизам. Београд: Орион (избор поглавља)5. LeGates, R.T, & Stout, F. (Eds.). (2003). The City Reader. London and New York: Routledge. (избор поглавља)6. Михајлов, В. (2016) Мерење немерљивог – Иновативне методе процене алтернатива развоја града. Београд: Архитектонски факултет Универзитета у Београду ISBN 978-86-7924-149-8			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching <p>Lectures, discussions and guest visits by experts.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 40	Final exam	total points 60
activity during lectures	10	written exam	60
practical teaching	30		

ELECTIVE SUBJECT 2 - ARCHITECTURAL TECHNOLOGIES

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture _ Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture				
Name of the subject: GREEN CONSTRUCTION – LESSONS FROM THE PAST				
Teacher(s): Professor Ph.D. Ana P. Radivojević				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: /				
Subject goal <p>The subject goal is the introduction of basic principles of contemporary constructions, which may be defined as green architecture and their latter identification on buildings from past periods. Starting from the premises that some of the concepts and strategies of green construction (primarily selection of materials, construction methods in the context of the care for the resources, energy, and pollution of the environment) in the past were incorporated in the process of design and construction of buildings, through analysis of selected examples of buildings, construction methods of historical and/or traditional, students can establish relations between historical or traditional construction principals with contemporary principles which are considered as an inseparable part of green architecture.</p>				
Outcome of the subject <p>Understanding the concept of green construction and establishing the historical framework of this type of construction. Analysis of historical and traditional elements of architecture through the prism of one of the contemporary concepts of design and construction, as it is the concept of green construction. Those analyses should contribute that students can create careful relations and a higher level of respect for architectural heritage.</p>				
Subject content <p><i>Theory</i></p> <p>Basic postulates of sustainable and green architecture; Principles, strategies and methods of sustainable construction – resource management, design of life cycle of building, human design; Lessons from the past – recognition of sustainable principles in buildings from the past – example of the project VERSUS; Lessons from the past – examples of the use of green materials and construction concepts in case of the buildings from the past; Reinterpretation of traditional concepts and buildings materials in case of contemporary examples of green architectures – case study analysis.</p>				
Literature <p>Скрипта - избор текстова;</p> <p>Harris, Cindy and Pat Borer: <i>The Whole House Book</i>, 2nd ed., Centre for Alternative Technology, 2005.</p> <p>Berge, Bjørn: <i>The Ecology of Building Materials</i>, Architectural Press, 2001.</p> <p>Woolley, Tim et al.: <i>Green Building Handbook, Volume 1</i>, Spon Press, 2001.</p> <p>Woolley, Tim and Sam Kimmins: <i>Green Building Handbook, Volume 2</i>, Spon Press, 2002</p> <p>Sassi, Paola: <i>Strategies for Sustainable Architecture</i>, Taylor & Francis, 2006.</p> <p>Correia, Mariana et al., eds.: <i>VERSUS - Heritage for Tomorrow</i>, www.esg.pt/versus</p> <p>Radivojević A., Roter-Blagojević M., Đukanović Lj.: Sustainability and the material aspect of traditional residential buildings in Serbia. <i>Materials for a Healthy, Ecological and Sustainable Built Environment. Principles for Evaluation</i>. (eds. Petrović E., Vale B., Pedersen Zari M.) Duxford, 2017.</p>				
Number of active teaching classes			Other: /	
Lectures: 2	Exercises: 0	OFL: 0		
Method of carrying out the teaching <p>Ex-cathedra lectures, presentation, and analysis of cases with discussion and active participation of students, seminars, consultations.</p>				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
Colloquium		Seminar	60	
Seminar(s)	30			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture			
Name of the subject: LIGHTING IN ARCHITECTURE			
Teacher(s): Professor Ph.D. Lidija S. Đokić			
Status of the subject: elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal The goal of the course is to introduce students to the conditions and principles of lighting design in architecture. The nature of light is analyzed, and its effect on the contact surfaces, the criteria for lighting design, the parameters of the quality of lighting, and the effects that can be achieved. Numerous and varied influences on lighting quality or light comfort are considered in a broad scope in the framework of the general architectural concept. Conditions resulted from the requirements of users, spaces, buildings, illuminated objects, or surfaces are analyzed to determine the possibilities and limitations under which a certain quality of illumination can be achieved.			
Outcome of the subject The outcome of the subject is understanding the complex term of lighting quality and its influencing factors, as well as the ability to analyze and evaluate the quality of lighting.			
Subject content During lectures, basic concepts and selected examples are presenting. Examples are commented upon and critiqued. Theoretical lectures include a history of light usage in architecture, basic concepts, tools, photometric quantities, quality parameters, solution analysis. Theoretical knowledge is tested through the test. <i>Practical learning</i> Practical classes consist of numerous analyzed examples with a critique of the design solution, as well as a tour of the city when it is possible to analyze and criticize illuminated objects in Belgrade. Practical knowledge is tested through seminar paper, which involves analysis and critique of the chosen design solution.			
Literature 1. Лидија Ђокић: Осветљење у архитектури - захтеви и смернице за пројектовање. Архитектонски факултет Универзитета у Београду. Београд, 2007, библиотека АФ. 2. Миомир Костић: Водич кроз свет технике осветљења. Minel-Schreder. Београд, 2000, библиотека АФ.			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Lectures ex-cathedra, presentation of new products and achievements in the field of lighting, city tour, and critique of lighted objects.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
Colloquium	70	Seminar paper	30
Seminar(s)			

Table 5.2 Specification of subject

Specification of subject

Study program: Master academic studies – Architecture _ Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture			
Name of the subject: EVALUATION OF ENVIRONMENTAL CHARACTERISTICS OF BUILDINGS			
Teacher(s): Associate Professor Ph.D. Nataša D. Čuković Ignjatović			
Status of the subject: elective			
Number of ECTS credits: 2			
Conditions: /			
Subject goal The basic subject goal is the introduction of students to the possibilities and tools for evaluation of environmental characteristics of buildings in different phases of projects and also as an option for evaluation of existing buildings.			
Outcome of the subject The outcome of the subject is the development of critical evaluation of environmental characteristics of buildings, the sustainability of architectural and urban solutions in different phases of the project, and mastering the mechanisms for their evaluation. The student will have the ability to: Understand environmental strategies and regulatory requirements: Develop a conceptual and critical approach to architectural projects that integrates aesthetic aspects of building and the technical requirements of construction and user needs. The student will have an understanding of: the needs and aspirations of facility users; the environmental impacts of the facilities and the premise of sustainable design; implementation of buildings in their local contexts; the role of the architect in the design team and the construction industry, recognizing the importance of current methods and trends in shaping the built environment; the potential impact of construction projects on existing and future communities; research, critical appraisal, and selection of alternative structural, construction and materialization solutions in accordance with the architectural design; strategies for building construction and the ability to integrate the knowledge of constructive principles and construction techniques; the physical properties and characteristics of building materials, components, and systems, as well as the environmental impacts of these decisions.			
Subject content <i>Theory</i> Environmental issues, sustainability, and resilience issues in the context of contemporary architectural theory and practice. Evaluation of environmental characteristics of buildings: basic starting points and principles, criteria, parameters, indicators. Interactive lectures – evaluation of the environmental characteristics of projects studio design project, case study analyzes (work at home, presentations, and discussions during the lecture period).			
Literature A Green Vitruvius, V. Brophy and J.O. Lewis, Earthscan 2011. Sustainable and Resilient Building Design - Approaches, Methods and Tools, S. Kosanović, T. Klein, T. Konstantinou, A. Radivojević and L. Hildebrand (Eds.), TU Delft Open 2018. Energy - Resources and Building Performance, T.Konstantinou, N. Čuković Ignjatović and M. Zbašnik-Senegačnik (Eds.), TU Delft Open 2018. Reviews of Sustainability and Resilience of the Built Environment for Education, Research and Design, S. Kosanović, A. Fikfak, N. Novaković and T. Klein (Eds.), TU Delft Open 2018. Design for Ecological Democracy, R.T. Hester, MIT Press 2006. Green Building Certification Systems, T. Ebert et al, Detail Green Books, 2011. A Life Cycle Approach to Buildings, H. Koning et al., Detail Green Books, 2010. Script (distributed to students during the semester)			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
Method of carrying out the teaching Lectures ex-cathedra, interactive lectures, case study analysis, smaller research projects, presentations, seminar papers.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching	20	Oral exam	
Colloquium		Seminar paper	50
Seminar(s)	20		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture
Name of the subject: ARCHITECTURE: DESIGN, BUILDING, DETAIL
Teacher(s): Associate Professor Dragan N. Marčetić
Status of the subject: elective
Number of ECTS credits: 3
Conditions: /
<p>Subject goal</p> <p>Introduction to terminology, principles, elements of materialization, and problematic situations in the design and execution of the building. Introduction to the analysis, reviewing, and making conclusions based on aesthetic, technological requirements, and characteristics of the architectural piece.</p> <p>The subject goal is also, awareness, insight, and willingness of students to continue practicing through the system to improve their involvement in architectural design, both through the aesthetic and design aspect, as well as through the technological and performing aspect of the creation of architectural work.</p> <p>We are establishing and analyzing relations between project, building, and details.</p>
<p>Outcome of the subject</p> <ol style="list-style-type: none"> Ability to form architectural designs that respond to aesthetic and technical requirements. The students will have the ability to: <ul style="list-style-type: none"> - understand structural design, environmental strategies and current regulation requirements related to the design and construction of a complete architectural project; - develop a conceptual and critical approach to architectural projects that integrates aesthetic aspects of building and technical requirements of construction and user needs. Adequate knowledge of the history and theory of architecture and related arts, technologies and social sciences. The student will have knowledge of: <ul style="list-style-type: none"> - the influence of history and theory on the spatial, social and technological aspects of architecture; Understanding the relationship between man and building and between buildings and their environment and the need that buildings and the spaces between them are related to human needs and measures. The student will have an understanding of: <ul style="list-style-type: none"> - needs and aspirations of users of buildings; - the environmental impacts of the buildings and the premise of sustainable design; - how buildings will fit into their local contexts. Understanding the architectural profession and the role of the architect in society, especially in the preparation of projects that take into account social factors. The student will have an understanding of: <ul style="list-style-type: none"> - the nature of professionalism and the obligations and responsibilities of architects towards clients, users of buildings, construction contractors, professional associates and the wider society; - the role of the architect in the design team and the construction industry, recognizing the importance of current methods and trends in shaping the built environment; Understanding of structural systems, construction and structural problems relevant to architectural design. The student will have an understanding of: <ul style="list-style-type: none"> - research, critical appraisal and selection of alternative structural, construction and materialization solutions in accordance with the architectural design; - building strategies and the ability to integrate knowledge of constructive principles and construction techniques; - the physical properties and characteristics of building materials, components and systems, as well as the environmental impacts of these decisions. Adequate knowledge of the physical problems, technologies and function of the building in order to provide internal comfort and security. The student will have knowledge of: <ul style="list-style-type: none"> - the principles of designing optimal visual, thermal and acoustic ambient; - systems for achieving environmental comfort in accordance with the principles of sustainable development; Necessary skills required to fulfill user requirements within financial constraints and building regulations. The student will have the skills to: <ul style="list-style-type: none"> - develop a project that will meet the requirements of the user and comply with the relevant current regulation; - material performance standards and user health and safety requirements.
<p>Subject content</p> <p>Lectures consist of two classes per week, where students are introduced to the principles of the basic thematic units: project, building, and detail in combination with visiting lecturers who present their experiences in designing and performing their architectural works or student presentations.</p> <p>Classes are a combination of lectures, case study analysis, individual research work, and presentations.</p> <p>Students are introduced to essential theoretical and practical principles for the design and construction of architectural buildings, with an analysis of the basic participants and stages that affect the creation of an architectural piece.</p> <p>Student activity is related to case study analysis, presentations, and active participation in discussions.</p>

During the course, students take two colloquiums.			
Students take the final exam by designing and presenting a seminar paper.			
Literature <ul style="list-style-type: none">• Драган Марчетић, АРХИТЕКТУРА:пројекат-објекат-деталј, Архитектонски факултет Универзитета у Београду, 2012• Sandaker, Bjorn Normann. On Span and Space. Abingdon and New York: Routledge, 2008.• Pawley, Martin. Theory and Design in the Second Machine Age. Oxford: Basil Blackwell, 1990.• Kaltenbach, Frank, ed. Translucent Materials. Munich: Birkhauser, Edition Detail, 2004.• Ojeda, Riera Oskar i Pasnik Mark. Architecture in detail – materials. USA: Rockport Publishers, Inc., 2003.• Rogers, Richard. Arhitektura: Modernistički pogled/Richard Rogers. Beograd: Kologram, edicija Keystone,1996.			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching			
Lectures, individual consultations and individual student work			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	20	Written exam	50
Practical teaching		Oral presentation	10
Colloquium	10+10		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture / Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture				
Name of the subject: DESIGN OF TIMBER STRUCTURES				
Teacher(s): dr Nenead D. Šekularac, full professor				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: the average on studies to date				
Subject goal The course aims to specialize students in the field of design and dimensioning of timber structures of architectural buildings, with particular emphasis on timber trusses. This course is intended for students who have acquired basic knowledge in the field of design and calculation of timber structures of architectural buildings in their work so far. During the course, the amount of knowledge in the field of architectural engineering will be increased.				
Outcome of the subject Presented matter enables students to upgrade the knowledge on timber load-bearing structures that provide the formation of a variety of architectural forms in the process of spatial design by using timber trusses.				
Subject content <i>Theory</i> The course aims to introduce students to timber truss structures as a primary element, through the design, construction and dimensioning of timber structures of architectural buildings. Through the subject matter presented at the lectures, students will be able to see the possibilities offered by timber truss structures in the formation of diverse architectural forms in the process of designing architectural buildings. <i>Practical learning</i> As part of the practical work for a given architectural building, the design of the structural assembly, positioning, and calculation of the basic structural elements for different solutions would be performed. Through this procedure, students would notice differences in the design and implementation of different structural solutions in timber, with special reference to timber trusses.				
Literature <ul style="list-style-type: none">– Nenad Šekularac: <i>Drveni rešetkasti nosači – projektovanje, proračun i izvođenje krovnih konstrukcija</i>, Univerzitet u Beogradu – Arhitektonski fakultet; Beograd, 2017. godine;– N. Šekularac, Neda Džombić: <i>Praktikum iz predmeta Projektovanje i proračun konstrukcija 2 – osnove drvenih konstrukcija</i>, Univerzitet u Beogradu – Arhitektonski fakultet, 2019. godine;– Vojislav Kujundžić, Dragoslav Tošić: <i>Metalne i drvene konstrukcije</i>, Zavod za udžbenike i nastavna sredstva, Beograd, 1995. godine;– Vojislav Kujundžić: <i>Savremene drvene konstrukcije</i>, Građevinska knjiga, Beograd, 1989. godine;– Thomas Herzog, Julius Natterer et. al: <i>Timber Construction Manual</i>, Birkhauser, Basel, 2004.;– Milan Gojković, Dragoslav Stojić: <i>Drvene konstrukcije</i>, Građevinski fakultet u Beogradu, Geosknjiga, Beograd, 1996. godine;– Milan Gojković, Boško Stevanović, Milorad Komnenović, Sreto Kuzmanović, Dragoslav Stojić, <i>Drvene konstrukcije</i>, Građevinski fakultet u Beogradu, Beograd, 2007. godiner;– Nenad Šekularac, Jelena Ivanović-Šekularac, Jasna Čikić Tovarović: <i>Formation of Folded Constructions by Using Contemporary Wooden Trusses</i>, Journal of Applied Engineering Science; The literature required to work on the subject, depending on the assignment, will be prepared by the teacher and made available to students.				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching ex-cathedra lectures, case analysis, interactive forms of teaching, discussions.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		points	Final exam	points

Activity during lectures	15	Elaborate	55
Presentation of the proposals	15	Oral exam	15
colloquium			
Seminar(s)			

design of architectural space, with an emphasis on the spatial stability of structural systems and details of connections of structural elements, as constituent elements of interior and exterior architectural space - building.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	points	Final exam	points
Colloquium 1	15	Seminar - elaborate	70
Colloquium 2	15	Oral exam	

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture
Name of the subject: DESIGN OF CONCRETE STRUCTURES
Teacher(s): dr Dejan T. Vasović, assistant professor
Status of the subject: elective
Number of ECTS credits: 3
Conditions: /
<p>Subject goal</p> <p>This course aims to more thoroughly acquaint students with the possibilities of applying reinforced concrete in modern architectural structures, through an introduction to the rules of design and calculation of reinforced concrete structures.</p> <p>The aim is to introduce students to the design, calculation, and fabrication of complex structural elements and systems of reinforced concrete, with the calculation of the effect of gravitational loads and horizontal forces, as well as to introduction to the concept of usability limit state.</p>
<p>Outcome of the subject</p> <p>Ability to create architectural designs that satisfy both aesthetic and technical requirements.</p> <p>The student will have the ability to:</p> <ol style="list-style-type: none"> 1. understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; <p>Understanding of the relationship between people and buildings, and between buildings and their environment, and the need to relate buildings and the spaces between them to human needs and scale.</p> <p>The student will have an understanding of:</p> <ol style="list-style-type: none"> 1. impacts of buildings on the environment and premises of sustainable design; <p>Understanding of the profession of architecture and the role of the architect in society, in particular in preparing briefs that take account of social factors.</p> <p>The student will have an understanding of:</p> <ol style="list-style-type: none"> 1. the nature of professionalism and the duties and responsibilities of architects to clients, building users, constructors, co-professionals and the wider society; 2. the role of the architect within the design team and construction industry, recognising the importance of current methods and trends in the construction of the built environment; <p>Understanding of the structural design, constructional and engineering problems associated with building design.</p> <p>The student will have an understanding of:</p> <ol style="list-style-type: none"> 1. the investigation, critical appraisal and selection of alternative structural, constructional and material systems relevant to architectural design; 2. strategies for building construction, and ability to integrate knowledge of structural principles and construction techniques; 3. the physical properties and characteristics of building materials, components and systems, and the environmental impact of specification choices.
<p>Subject content</p> <p><i>Theory</i></p> <p>Through a series of lectures, students are introduced to the elements of construction that are usually constructed in reinforced concrete.</p> <p>The shaping and construction, calculation and dimensioning, and finally, the details of reinforcement and execution of individual reinforced concrete structural elements will be studied in more detail.</p> <p>Within the theoretical classes, the principles of calculation of reinforced concrete structures according to the valid Eurocode 2 will be explained: load combinations for limit states of bearing capacity and limit states of usability, properties of structural materials, and calculation according to different stress states.</p>

During the realization of teaching within this course, students design and calculate the reinforced concrete structure.

During the classes, lectures are held as ex-cathedra, where theoretical assumptions are presented as well as selected numerous examples.

Twice during the semester, the level of the adopted theoretical material is checked at colloquia. Each colloquium is a test with ten questions to which answers are offered.

Students work at home, and they hand in their assignments at exercises and consultations. At the end of the course, the correct, received assignments make a student elaborate.

Literature

Priručnik i prilozi za primenu pravila za beton i armirani beton BAB '87, Beograd, Građevinska knjiga, 1991.

Radosavljević Ž., Bajić D.: Betonske konstrukcije 3, Beograd, Naučna knjiga, 1988.

Najdanović D.: Betonske konstrukcije, Beograd, Akademska misao 2015.

Marinko S., Pecić N.: Teorija betonskih konstrukcija, Beograd, Akademska misao, 2018.

Ignjatović I.: Zbirka zadataka – Teorija betonskih konstrukcija 1, Beograd, Akademska misao, 2018.

Okrajnov-Bajić R., Vasović D.: Zbirka urađenih ispitnih zadataka iz betonskih konstrukcija, Arhitektonski fakultet, Beograd, 2005.

Material from lectures and exercises.

Number of active teaching classes

Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	Other: /

Method of carrying out the teaching

Lectures.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	elaborate	60
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture _ Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture
Name of the subject: PREFABRICATED CONCRETE STRUCTURES DESIGN
Teacher(s): dr Dejan T. Vasović, assistant professor
Status of the subject: elective
Number of ECTS credits: 3
Conditions: /
<p>Subject goal</p> <p>The subject goal is: acquiring basic knowledge about prefabricated reinforced concrete structures and training students to design prefabricated reinforced concrete elements and structures of architectural buildings; introducing students to the design, calculation, and fabrication of individual structural prefabricated elements of reinforced concrete; presentation of joints and connections of elements in prefabricated construction; introducing students to the monolithization of prefabricated buildings and their calculation on the effect of gravitational loads and horizontal forces; enabling students for independent static-structural and economic analysis of industrial housing construction.</p>
<p>Outcome of the subject</p> <p>Ability to create architectural designs that satisfy both aesthetic and technical requirements. The student will have the ability to:</p> <ol style="list-style-type: none"> 1. understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; <p>Understanding of the relationship between people and buildings, and between buildings and their environment, and the need to relate buildings and the spaces between them to human needs and scale. The student will have an understanding of:</p> <ol style="list-style-type: none"> 1. impacts of buildings on the environment and premises of sustainable design; <p>Understanding of the profession of architecture and the role of the architect in society, in particular in preparing briefs that take account of social factors. The student will have an understanding of:</p> <ol style="list-style-type: none"> 1. the nature of professionalism and the duties and responsibilities of architects to clients, building users, constructors, co-professionals and the wider society; 2. the role of the architect within the design team and construction industry, recognising the importance of current methods and trends in the construction of the built environment; <p>Разумевање метода истраживања и припреме пројектних задатака за архитектонски пројекат. Студент ће имати разумевање о:</p> <ol style="list-style-type: none"> 1. потреби да се критички испитају примери који су функционално, организационо и технолошки релевантни за постављени пројектни задатак; <p>Understanding of the methods of investigation and preparation of the brief for a design project. The student will have an understanding of:</p> <ol style="list-style-type: none"> 1. the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; <p>Understanding of the structural design, constructional and engineering problems associated with building design. The student will have an understanding of:</p> <ol style="list-style-type: none"> 1. the investigation, critical appraisal and selection of alternative structural, constructional and material systems relevant to architectural design; 2. strategies for building construction, and ability to integrate knowledge of structural principles and construction techniques; 3. the physical properties and characteristics of building materials, components and systems, and the environmental impact of specification choices.
Subject content

Theory

Lectures cover the basic principles of prefabricated construction, its characteristics, advantages, and disadvantages, required quality, standards for design and production, design and selection of system types according to different parameters, calculation, and optimization of structural elements and systems, production, storage and transport of elements, calculation of prefabricated elements in various stages of production, transport, and installation.

The lectures will cover prefabricated industrial halls, engineering structures, multi-story skeletal and panel buildings, construction and calculation of connections and joints, as well as the design and calculation of prefabricated structures for horizontal loads.

During the classes, exercises are held in which numerous examples are presented. Exercises refer to the positioning, design, and calculation of prefabricated elements and structures in various stages of manufacture, transport, and assembly. Students work at home, and they hand in their assignments at exercises and consultations. At the end of the course, the correct, received assignments make a student elaborate.

At the end of the course, students submit a seminar paper that presents a detailed presentation of the selected reinforced concrete prefabricated architectural building.

The level of the adopted theoretical material is evaluated twice during the semester at the colloquium. Each colloquium is a test with ten questions to which answers are offered.

Literature

Tehničar III, Beograd, Građevinska knjiga, 1996.

Arhitektura i urbanizam 74-79, Beograd, SAS, 1975.

Stan i stanovanje, Beograd, Izgradnja – posebno izdanje, 1972.

Priručnik i prilozi za primenu pravila za beton i armirani beton BAB '87, Beograd, Građevinska knjiga, 1991.

Radosavljević Ž., Bajić D.: Betonske konstrukcije 3, Beograd, Naučna knjiga, 1988.

Milojević – Turina, M., Prefabrikovano građenje, Beograd, Zavod za udžbenike, 1991.

Bennett D, The Art of Precast Concrete, Basel, Birkhäuser, 2004.

Elliott, K S, Precast Concrete Structures, Boca Raton, FL, CRC Press, 2017.

Material from lectures and exercises.

Number of active teaching classes

Lectures: 2

Exercises: 0

OFL: 0

SRW: 0

Other: /

Method of carrying out the teaching

Theoretical and practical lectures.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	40
Practical teaching		Oral exam	
colloquium	20	elaborate	
Seminar(s)	30		

Table 5.2 Specification of subject

Study program: Master academic studies Architecture / Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture				
Name of the subject: SMART RECYCLING - recycled material houses				
Teacher(s): dr Radojko M. Obradović, assistant professor				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: /				
Subject goal The course aims to introduce students with the contemporary design and realization of architectural buildings made from recycled materials. Recycling is an energy-intensive process that affects the reduction of the total amount of energy required in the life cycle of a building. The course aims to introduce students to recycling systems, how to use recycled materials, and basic design principles through theoretical teaching, case studies, and guest lectures.				
Outcome of the subject Recycled materials and design requirements will be treated as part of a comprehensive energy optimization process for an architectural building within which technological development and awareness of the necessity of using recycled materials enable the use of the potential of materials obtained in this way.				
Subject content <i>Theory</i> The basis of the course is to introduce students to the way of designing buildings that contributes to maintaining the natural and ecological balance of the environment, preserving the planet and its natural systems and resources. The use of recycled material, in addition to economic justification, establishes an ecological balance with other living things on earth. The focus of the course is on the analysis of different tendencies in the conception and design of recycled materials in different climates. Through the analysis of different concepts, the possibilities of using recycling materials in the design of the physical structure are explored as well as systems that allow for easy breakdown for reuse and recycling purposes. <i>Practical learning</i> /				
Literature Klaus Daniels, TECHNOLOGIE DES ÖKOLOGISCHEN BAUENS, Birkhauser, 1999. Kemp Wiliam H. SMART POWER: AN URBAN GUIDE TO RENEWABLE ENERGY AND EFFICIENCY, Tamworth, Aztext Press, 2004. Herzog Thomas (ed.), SOLAR ENERGY IN ARCHITECTURE AND URBAN PLANING, London,Prestel, 1996. Christian Schittich, SOLARES BAUEN-strategien.vision.koncepte, Birkhauser, 2003. Gerhard Hausladen, CLIMA SKIN, Callwey, 2006.				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching Teaching is conducted through lectures and interactive classes.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam	70	
Practical teaching		Oral exam		
colloquium	20			
Seminar(s)				

Table 5.2 Specification of subject

Study program: Master academic studies Architecture / Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture			
Name of the subject: ARCHITECTURE OF CONTEMPORARY STEEL STRUCTURES			
Teacher(s): dr Jefto T. Terzović, assistant professor			
Status of the subject: elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal <p>The subject goal is understanding the nature of steel as a building material in order to master the skills of design of steel structures that determine the architecture of a building and are an integral part of its aesthetic essence. The goal is familiarization with the contemporary approach to the design of steel structures that are exposed (visible) so that they represent a dominant aspect of the architectural building both in the exterior and in the interior. Another goal is learning the principles of forming an adequate structural system in steel for buildings of different dimensions and sizes. Also, the goal is mastering the basic principles of designing details of connections of steel elements, which can be an emphasis in architectural design.</p>			
Outcome of the subject <p>Outcomes of the subjects are more comprehensive knowledge of the basics of metal (steel) structures in terms of acquiring the design skills of rational and efficient structures in metal, at the level of conceptual design, possibly conceptual design and enabling students to calculate the structure, less in terms of detailed static analysis, and more in order to gain a sense and skill of designing an adequate structural system of an architectural building.</p>			
Subject content <i>Theory / Practical learning</i> <p>The subject is by type predominantly classified as theoretical-methodological. The principles of calculating and constructing architectural buildings in steel are presented in classical lectures, illustrated by practical examples, authored by the course teacher, with schematic representations of static systems and budget models that accompany them. In the first quarter of the semester, two hours of instruction per week are used entirely for the classes. In the second and third quarters of the semester, two hours per week, one hour is used for teaching and one for practice. For the last quarter of the semester, both hours of classes per week are devoted to exercise.</p>			
Literature <p>Z. Marković: GRANIČNA STANJA ČELIČNIH KONSTRUKCIJA PREMA EVROKODU, Građevinski fakultet Beograd, 2014. B. Androić, D. Dujmović, I. Džeba: ČELIČNE KONSTRUKCIJE 1. IA Projektiranje, Zagreb, 2009.;</p>			
Number of active teaching classes			
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0
			Other: /
Method of carrying out the teaching <p>The subject is classified as theoretical-methodological, and as such, is most effectively exposed through the classical teaching approach. By linking the knowledge gained in the lectures, through the study of literature and solving of specific numerical examples - assignments - the student recognizes the logical whole, which in itself represents a delineated learning outcome.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	15	Written exam	45
Practical teaching	15	Oral exam	
colloquium	25		
Seminar(s)			

THEORETICAL DISCOURSE 3

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: RELIGION AND ARCHITECTURE			
Teacher(s): Professor Ph.D. Vladimir F. Mako			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions:			
Subject goal The aim of this course is to introduce students to the mutual influence and relationship between religion and architecture. Students' attention is directed toward interpreting historical turning points in architecture influenced by religion. In interactive work with students, questions will be raised regarding the origin, retrieval and transfer of the concept of pagan architecture to monotheism. Comparative case studies and analyzes are directed towards investigating the formation of forms and types of sacral architecture throughout history and their transformation in the conditions of contemporary society and architecture.			
Outcome of the subject Students will have knowledge of: 1. the needs and aspirations of building users; 2. the impact of buildings on the environment, and the precepts of sustainable design; and 3. the way in which buildings fit in to their local context.			
Subject content The relationship between religion and architecture will be considered since the formation of the cult, that is, the need to organize the place where the ceremony was performed. The basic elements of sacral architecture established in the early civilizations of the East were taken over and transposed into the architecture of pagan antiquity and, later, of Christianity. The schisms in the teachings and their effects on the separation and formation of the two great Christian churches in the Middle Ages, Orthodox, and Catholic, led to the establishment and formation of two main concepts based on the symbols of the circle and the cross. Examining the relation of cultural environment and liturgy to the spatial organization and typology of sacral architecture. The transformation of the idea and the emergence of new forms of architecture in the modern age and contemporary approaches to design. Familiarity with the ideological views of leading religions in relation to contemporary society and design principles. Introduction to contemporary and anachronistic trends in the development of sacral architecture in the conditions of the formation of religious ideologies of the 20th and 21st centuries.			
Literature 1. Игњатовић, А. У српско-византијском каледоскопу: Архитектура, национализам и империјална имагинација 1878-1941, (Београд: Орион арт и Универзитет у Београду - Архитектонски факултет, 2016). 2. Ignjatović, A. Jugoslovenstvo u arhitekturi 1904-1941, (Beograd: Gradjevinska knjiga, 2007). 3. Јовановић, М. Српско црквено сликарство и градитељство новијег доба, (Београд и Крагујевац: Друштво историчара уметности Србије и „Каленић”, 1987). 4. Кадијевић, А. Један век тражења националног стила у српској архитектури (средина XIX - средина XX века), (Београд: Грађевинска књига, 1997). 5. Krautheimer,R. Early Christian and Byzantine Architecture, (Penguin Books, 1975). 6. Несторовић, Б. Архитектура Србије у XIX веку, (Београд: Арт Прес, 2006). 7. Ćurčić , S. Architecture in the Balkans: From Diocletian to Süleyman the Magnificent, (New Haven, 2010).			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0 SRW: 0	
Method of carrying out the teaching <i>Ex cathedra</i> lectures, interactive forms of teaching, consultation, discussion and presentation.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	20+20=40	Final paper	50
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: VISUAL CULTURE IN ARCHITECTURAL THEORY AND PRACTICE			
Teacher(s): Assistant Professor Ph.D. Marko S. Nikolić			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions:			
Subject goal The objective of the subject is to introduce students to the problems and opportunities related to the research, valorization, preservation, and presentation of industrial architecture, as one of the specific aspects of the architectural heritage. The protection and preservation of ancient historic complexes with buildings and technological facilities is one of the most prevalent topics in the contemporary integral protection of cultural heritage in the world today. Contemporary design in protected industrial complexes is a very delicate task, both because of their very poor condition and the need for a comprehensive and coherent approach in conceptualizing their development and presentation as a cultural asset.			
Outcome of the subject Students will have knowledge of: 1. the needs and aspirations of building users; 2. the impact of buildings on the environment, and the precepts of sustainable design; and 3. the way in which buildings fit in to their local context.			
Subject content Theoretical teaching will focus on the presentation of historical and contemporary theoretical approaches to different aspects of the protection and revitalization of cultural heritage, as well as their practical application through the presentation of different case studies. The content of the course provides lectures through which students will be introduced to the theoretical foundations, principles, and postulates of preserving and presenting cultural heritage. Principles and problems of evaluation of modern architecture. Concepts of preserving the authenticity and integrity of heritage in the process of protection and presentation. Principles of revitalization and presentation of the heritage of industrial architecture. Practical classes will focus on individual student research through case study work and specific problems of industrial architecture protection. The work will consist of collecting data and research in the field, analyzing data and sources, studying theoretical sources, defining the concept of restoration and presenting selected examples, writing explanations of the concept.			
Literature 1. Димитријевић-Марковић, Светлана и Сретеновић, Ирена: "Могућности и проблеми ревитализације београдске Фабрике шећера", у: Наслеђе, бр. IX (2008), стр. 267-276. 2. Куленовић, Рифат: Индустијско наслеђе Београда, (Београд: Музеј науке и технике, 2010.) 3. Николић, Марко, Пашић, Душица и Миленковић, Ана: "Испитивање могућности заштите и ревитализације ливнице "Пантелић" у Земуну", у: Наслеђе, бр. XIX (2018), стр. 149-161. 4. Ротер – Благојевић, Мирјана и Николић, Марко: „Предлог ревитализације Уметничке ливнице „Скулптура“, у: Наслеђе, бр. XIII (2012), стр. 221-234. 5. Шурдић, Борислав: "Културна платформа XXI века ЕРИХ - Европски пут индустријског наслеђа", у: Гласник ДКС, бр. 33 (2009),стр. 12-16.			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching <i>Ex cathedra</i> lectures, interactive forms of teaching, consultation, discussion and presentation.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	20+20=40	Final paper	50
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: USE OF HERITAGE IN CONTEMPORARY ARCHITECTURE				
Teacher(s): Professor Ivan V. Rašković				
Status of the subject: Elective				
Number of ECTS credits: 2				
Conditions:				
Subject goal Understanding the notion of tradition through the relativization of its temporality; elaboration of the establishment of the most widely understood custom as a consequence of cultural, social phenomena and their influence on organized space; reviewing the aspects communicology of architecture through various forms of context, with particular emphasis on understanding and breaking down the prejudices and stereotypes associated with heritage, as well as the paradigmatic mechanisms that are expressed through them.				
Outcome of the subject Understanding the relationship between man and buildings and between buildings and their environment, the need to relate the building and spaces to human needs and dimensions. The student will have an understanding of: 1. the needs and aspirations of building users; 2. the impact of buildings on the environment, and the precepts of sustainable design; 3. the way in which buildings fit in to their local context.				
Subject content <i>Theory</i> Contents: <ul style="list-style-type: none">• The studying the main terms from the field of research including the relevant theorists and derived interpretations.• Relativization of the theories concerning the studied terms including popular / populist discourses - stereotypes and prejudices; the fields of culture, sociology and anthropology are included.• Paradigmatic in tradition; narratives and mythomania in the architectural profession - the `` authority " of heritage. <i>Practical teaching</i> Practical classes will be organized in the form of sub-units and cycles that indirectly thematize architecture as a physical and dramatic space, as a representation of community organization and meeting the needs of the individual, but also as a framework for generating broader ideas. <ul style="list-style-type: none">• Case Study: Discussion and analysis of architecture content in selected discourse• Case study; theoretical assignment; an essay in the form of a critical analysis of the recognized aspects between architecture and meaning (through the relationship of done / projected, narrative / perceptual, spontaneous / constructed meaning)• Case study; theoretical assignment; critical analysis of the chosen representation of architecture• Linking theoretical and practical work within synthesis work (free media)				
Literature <ul style="list-style-type: none">• Borislav Petrović, Ivan Rašković, Tradicija - tranzicija : upotreba nasleđa u arhitekturi,. - Beograd : Arhitektonski fakultet : Orion Art : IAUS, 2011 (Beograd).• Džejmson, Frederik. Postmoderna u kasnom kapitalizmu. Beograd, Art press, 1995.• Eliot, Thomas Stearns. "Tradition and the Individual Talent". Critical Theory Since Plato. Ed. Hazard Adams. New York, Harcourt Brace Jovanovich, 1971. pp. 761-764.• Polja. Časopis za kulturu, umetnost i društvena pitanja (NIŠP "Dnevnik", UDS, Novi Sad), decembar 1991.				
Number of active teaching classes				Other: 0
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching lecture, simulation games, experiment, film, video, field work, etc.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam	40	
Practical teaching		Oral exam	10	
colloquium	20+20=40			
Seminar(s)				

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: PLANNING THEORY			
Teachers: Ph.D. Marija L. Maruna, Professor			
Status of the subject: elective			
Number of ECTS credits: 2			
Conditions: /			
Subject goal The course has two main objectives: <ul style="list-style-type: none">- Introduction to theoretical and practical tools for understanding the role of urban planning in shaping contemporary cities and- Training in the use of theoretical knowledge for solving practical problems in urbanism.			
Outcome of the subject <ul style="list-style-type: none">- Training to think critically about different forms of urban intervention- Introducing and identifying factors that influence the changing nature of planning in a contemporary global society- Introduction to alternative forms of professional work- Creation of articulate personal position concerning the profession.			
Outcome of the course according to RIBA standards Adequate knowledge of urban design, planning, and the skills involved in the planning process. The graduate will acquire knowledge of: <ol style="list-style-type: none">1. theories of urban design and the planning of communities;2. the influence of the design and development of cities, past and present on the contemporary built environment;3. current planning policy and development control legislation, including social, environmental, and economic aspects, and the relevance of these to design development.			
Subject content <i>Theory</i> <ul style="list-style-type: none">- Media and Ethics;- Basics of research work;- Applied communication techniques;- The post-socialist context of Serbia's urban development;- Contemporary concepts of urban development management;- Urban planning and urban development management;- Urban development and strategic decision making;- Social actors in the process of space production;- Public interest;- The ratio of the central and local level in the management of urban development;- Position of the planning profession in the decision-making process of spatial development;- Urban development policies;- The legislative framework for urban development;- Urban development institutions;- Urban Development Planning Framework;- Critical-reflexive practitioner.			
Literature: <ul style="list-style-type: none">- Маруна, М. (2019) Теорија планирања: прилог критичком мишљењу у архитектури. Београд: Архитектонски факултет- Allmendinger, P. (2017) Planning Theory (3pd ed.) (2009). London: Palgrave.- Hillier, B. & Healey, P. (Eds.) (2008) Critical Essays in Planning Theory Volumes 1, 2, and 3. Routledge.- Fainstein, S. & DeFilippis, J. (Eds.) (2016) Readings in Planning Theory (4th ed.). Wiley-Blackwell.- Lazarević Bajec, N. (2000) Teorija planiranja. Beograd: Arhitektonski fakultet (skripta)			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Work within the course is focused on debates of theoretical sources and specific cases of planning practice. Students are expected to be prepared for each class and actively participate in discussions.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points 65	Final exam	total points 35
activity during lectures	65	essay	20
		oral presentation	15

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_ Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: THEORETICAL FRAMEWORK OF SUSTAINABLE DEVELOPMENT				
Teachers: Ph.D. Ksenija Ž. Lalović, Associate Professor				
Status of the subject: elective				
Number of ECTS credits: 2				
Conditions: /				
Subject goal The course goal is to establish a cognitive framework for understanding, insight, and exploring theory and concepts of sustainability. It aims to develop an understanding of the developmental course of the philosophical and theoretical foundation of the idea of sustainability and sustainable development. It raises awareness and understanding of the critical global positions of operationalizing the concept of sustainability, depending on the social context. It develops the ability to identify the primary theoretical discourses that form the basis of a contemporary approach to operationalizing sustainability concepts. Ability to understand underlying theoretical assumptions that underpin sustainability paradigms in present conditions. Ability to think critically and understand different theoretical approaches to sustainability issues.				
Outcome of the subject The graduate will acquire knowledge of: <ol style="list-style-type: none">1. theories of urban design and the planning of communities;2. the influence of the design and development of cities, past and present on the contemporary built environment;3. current planning policy and development control legislation, including social, environmental, and economic aspects, and the relevance of these to design development.				
Subject content <i>Theory</i> The complex and oxymoronic notion of sustainability and sustainable development. A historical overview of the development of the concept of sustainability concerning key global factors: significant political, environmental, social events and movements, the development of philosophical thought, the development and review of the theoretical foundations of action. Establishing a relationship between current theories (by period) and conceptual approaches to the operationalization of sustainability verified through formal documents of the international community. An overview of the theoretical concepts that underpin the contemporary approach to conceptualizing sustainability. Integral theory framework - post-positivist position of critical realism in the contemporary approach to the operationalization of sustainable development. An overview of current planning and design theories concerning the sustainability paradigm and principles of sustainable urban development. Consideration of a critical contemporary global problem of climate change through the prism of different current theoretical approaches to the articulation of urban spaces - a comparative analysis of the nature of cognitive processes depending on the theoretical starting point and limiting the scope of research and operational results.				
Literature: Douglas Farr, (2008), Sustainable Urbanism: Urban Design With Nature, ISBN-13: 978-0471777519, ISBN-10: 047177751X Fainstein, S. (2010). The Just City. New York: Cornell University Press. Castells, M. (2009). The Power of Identity: The Information Age: Economy, Society, and Culture. John Wiley & Son Hamilton, M. (2008). Integral City, Evolutionary Intelligences for the Huma Hive. Canada: New Society Publishers Adams, W. (2006). The Future of Sustainability: Re-thinking Environment and Development in the Twenty-first Century. IUCN. Nan, E. (2006). Integral Urbanism. London: Routledge, Taylor & Francis Group. UN-HABITAT. (2010). Planning Sustainable Cities, UN-HABITAT Practices, and Perspectives. Nairobi, Kenya Harvey, D. (2013). Pobunjeni gradovi - Od prava na grad do urbane revolucije, Mediterranean Publishing, Novi Sad Niki Frantzeskaki, Vanesa Castán Broto, Lars Coenen, Derk Loorbach, (2017), Urban Sustainability Transitions, Routledge, Taylor & Francis Gr. Derk Loorbach, Julia M. Wittmayer, Hideaki Shiroyama, Junichi Fujino, Satoru Mizuguchi, (2016), Governance of Urban Sustainability Transitions: European and Asian Experiences, Springer Niki Frantzeskaki, Katharina Hölscher, Matthew Bach, Flor Avelino, (2018), Co-creating Sustainable Urban Futures: A Primer on Applying Transition Management in Cities, Springer				
Number of active teaching classes				Other: 0
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching lectures, interactive teaching				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 40	Final exam		total points 60
activity during lectures	10	written work		60
colloquium(s)	30			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture _ Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture			
Name of the subject: INNOVATIVE ELEMENTS AND ASSEMBLIES IN ARCHITECTURE			
Teacher(s): Professor Ph.D. Jelena A. Ivanović-Šekularac (1), Associate Professor Ph.D. Budimir S. Sudimac			
Status of the subject: elective			
Number of ECTS credits: 2			
Conditions: average marks of previous studies			
Subject goal The course aims to introduce students to innovative architecture - elements and structures; interdependence of idea, technology, contemporary materials, and software support in the process of designing and realization of buildings.			
Outcome of the subject The knowledge gained through theoretical lectures in this subject is an upgrade of all previously acquired knowledge in the field of materialization of architectural space and contributes to the continuous education of students in the field of application of advanced technologies in architecture.			
Subject content <i>Theory</i> Defining the term "innovative architecture". How is innovative architecture created? Philosophy of work in the design process and approach that is committed to innovation in the design and interaction and adaptation of technical solutions to projects using contemporary materials and systems; innovative facade assemblies (vegetative facades, media facades, façade membranes, metal facades, eco-facades, ...); application of innovative composite materials and structures in the interior; intelligent systems in architecture, hybrid architecture. <i>Practical learning</i> /			
Literature - Josh Lerner, The Architecture of Innovation: The Economics of Creative Organizations, Harvard Business Review Press, 2012., ISBN-10: 9781422143636 - Ilaria Mazzoleni, Architecture Follows Nature-Biomimetic Principles for Innovative Design, CRC Press, 2013, ISBN-10: 1138076694 - Simos Vamvakidis, Innovative Architecture Strategies, BIS Publishers, 2017. ISBN 978-90-6369-456-2 - Alxander Tzonis, Architecture in Europe, Memory and Inventions, Thames & Hudson 1997. ISBN-10: 0500279489 - Mayine L. Yu, Skins, Envelopes, and Enclosures: Concepts for Designing Building Exteriors, Routledge, 2013. ISBN-10: 0415899796 - Ajla Aksamija, Sustainable Facades: Design Methods for High-Performance Building Envelopes, Wiley, 2013. ISBN-10: 1118458605			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Ex-cathedra lectures, case study analysis, interactive types of teaching, active participation in discussions, preparation of seminar papers and drawings.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	20	Written exam	40
Practical teaching		Oral exam	20
Colloquium	20		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture / Module A, Module U, Module AT, Module AE				
Name of the subject: INTEGRATED STRUCTURAL DESIGN				
Teacher(s): dr Aleksandra S. Nenadović, assistant professor				
Status of the subject: elective				
Number of ECTS credits: 2				
Conditions: /				
Subject goal The course aims to introduce students to the concept of designing structures within an integrated approach to the design and evaluation of buildings, in order to achieve an environmental quality that is in accordance with the recommendations for the sustainable building construction. It is about designing structures that should enable the reduction of negative environmental impacts and the consumption of resources due to the construction, use, and decommissioning of built capacities while increasing the quality of life, health, and safety in the built environment.				
Outcome of the subject Students should master the basics of structural design logic as part of environmental strategies as well as social and economic well-being strategies for building users while developing a conceptual and critical approach to architectural design that integrates environmental and technical aspects.				
Subject content <i>Theory</i> The course deals with the principles of integrated design of structures based on targeted, integrated performances of a building over its life cycle, in order to achieve ecological quality. The studied thematic fields are: the environmental quality of the building; the criteria for assessing the ecological quality of the building, ie, the criterion of environmental protection during the life cycle of the building and the criterion of social and economic benefits for users during the use phase of the building; designing the structure in accordance with the integrated criteria, through the connection between the concept of structure and key aspects of environmental quality: harmful emissions, energy, materials and waste, protection and safety, comfort, organization of content, conversion, maintenance, and visual aspects. <i>Practical learning</i> /				
Literature DeKay, Mark. Integral Sustainable Design: Transformative Perspectives. London: Earthscan, 2011. Bachman, Leonard. Integrated Buildings: The Systems Basis of Architecture. Hoboken: John Wiley and Sons, 2003. Nenadović, A. Integrisano projektovanje konstruktivnih sistema zasnovano na primeni ferocementa. Doktorska disertacija. Beograd: Univerzitet u Beogradu, 2014. Environmental Design: An introduction for architects and Engineers, edited by Randall Thomas and Max Fordham & Partners. London: FN Spon, 1996. Berge, Bjorn. The Ecology of Building Materials. Oxford: Elsevier, 2000.				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching ex-cathedra lectures, individual consultations, and individual student work.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	20	Written exam		
Practical teaching		Oral exam		
colloquium	40			

Seminar(s)	40		
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ELECTIVE SUBJECT 3 - ARCHITECTURE

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: ARCHITECTURE AND METASTRUCTURE				
Teacher(s): Professor M. Sc. Milan M. Vujović				
Status of the subject: Elective				
Number of ECTS credits: 3				
Conditions:				
Subject goal The main objective of the subject is to introduce students to the complexity and structural integrity of architecture, especially in that part of the creative process that precedes its spatial articulation and interpretation. The term "metastructure" is used as a theoretical and philosophical template to open up a discussion of contemporary tendencies in architectural design.				
Outcome of the subject The term "metastructure" symbolizes the layered and extensive contemplation of architecture and goes beyond the materially, but finds its origins in the architect's various mental, creative, intuitive and impulsive reactions during the design creative process.				
Subject content <i>Theory</i> The subject deals with the translation (transformation, transposition ...) of the associative (imaginary) aspect of the proposed topic (idea) into the language of architecture and the spatial interpretation of its narrative discourse through the design of an architectural/artistic project. The student works independently, finding the most optimal and direct link between the narrative template and the spatial interpretation - form. Objective: Try to tell the story through architecture. Architecture is used as a linguistic framework, instrument, substrate, medium, or urge to explain and excuse a particular, pre-proclaimed, studied, and clearly articulated attitude (opinion). <i>Practical learning</i> Students are free to determine the spatial and (or) temporal context of their project and to move the concept of "architecture" in its own discretion to the extreme limits of its meaning. The method of interpretation, however, remains within the expressive framework of the architectural project (drawing, model, 3d model, photography, photomontage, film ...)				
Literature Arnhajm, R.(1977) "The dynamics of architectural form", University of California press Berkley, Los Angeles, London Koolhaas, R. & Obrist, H. (2011). Project Japan: Metabolism Talks....Keln: TASCHEN. Eisenman, P. (1999) "Diagram Diaries", Thames&Hudson, London				
Number of active teaching classes				Other: 0
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching Lectures, discussion, case studies				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	15+15=30	Final portfolio and design presentation review	60	
Seminar(s)				

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: PLACES OF IDLENESS IN THE CONTEMPORARY CITY: OPEN PUBLIC SPACES				
Teacher(s): Associate Professor Ph.D. Dragana M. Vasiljević Tomić				
Status of the subject: Elective				
Number of ECTS credits: 3				
Conditions:				
Subject goal Understanding the complexity of the phenomenon of public spaces in the city and examining the potential of their transformation. Public spaces are researched from an urban, architectural, cultural, historical and socio-economic aspects, and the potential for their transformation through the framework of contemporary everyday life.				
Outcome of the subject 1. the creative application of the visual arts and their importance and impact on architecture; 3. the creative application of similar works in the design process in the studio, in terms of their conceptualization and representation. 1. the needs and aspirations of the users of the facilities; 2. the environmental impacts of the facilities and the premise of sustainable design; 3. how objects will adapt to their local contexts.				
Subject content The relationship between the identity of the designed space and the inherited context, its character and its critical potential is examined. Attractiveness, accessibility, openness and a way of revitalizing space through respect for all aspects of heritage are discussed. The lectures are based on active discussion within which, based on the analyzes, the data is implemented at the given location.				
Literature 1 Pallasmaa, J. (1996) The Eyes of the Skin: Architecture and the senses. NY: John Wiley & Sons. 2 Argan, (1989) Arhitektura i kultura. Split: Logos. 3 Wilson, E.O. (1984) Biophilia. Harvard University Press. 4. Драгана Васиљевић Томић , KULTURA BOJE U GRADU : identitet i transformacija, Arhitektonski fakultet u Beogradu, 2007. , ISBN 978-86.7924-009-5				
Number of active teaching classes				Other: 0
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching Studio work with continuous discussions and presentations of topics relevant to the project assignment.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	Points 50	Final exam	Points 50	
Activity during lectures		Written exam		
Practical teaching		Oral exam		
colloquium				
Seminar(s)				

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: PUBLIC FACILITIES IN RURAL AREAS			
Teacher(s): Associate Professor Ph.D. Aleksandar Č. Videnović			
Status of the subject: Elective			
Number of ECTS credits: 3			
Conditions:			
Subject goal The main objective of the subject is to acquire theoretical and practical knowledge in the field of planning and design of public spaces in rural areas. The teaching aims to enhance students' ability to deal with urban and architectural problems of public functions central amenities in rural settlements, as well as peripherally located non-residential functions, taking into account the peculiarities of different environments and spatial situations.			
Outcome of the subject Developing students' skills in design approaches in realistic contexts of landscape poetic. Raising students' interest in professional activity in conditionally less attractive environments, to form their creative frameworks, free from the influences of fashionable, short-term and market-commercial tendencies.			
Subject content <i>Theory</i> In the theoretical part of the course, students are introduced to the problems of planning, designing and construction in rural areas through communications, presentations and projections. In addition to general knowledge, the relationship between traditional and contemporary in rural areas is presented in a functional, constructive and aesthetic sense. Some of the basic topics are rural territories and specificities of settlements in them, functional zones and preferable space relationships, characteristics of public functions central contents of villages, principles of designing new and reconstruction of existing rural centers, as well as separate complexes and functional units outside the center and territory of settlements. The theoretical part is followed by discussions, case studies, and the working on seminar papers on topics from the lectures applied to concrete - real settlements and their public contents. <i>Practical learning</i> In the practical part of the course, students go through the process of designing a new village center or part of it, that is, reconstruction, remodeling and arrangement of an existing one. The project assignment may be one larger or a series of smaller contents as well as an off-center topic. Students will treat real context, design on concrete models and in real situations. Students will choose their own model - a particular settlement, and apply knowledge and experience on it, having previously formulated program. Students will be advised to visit a particular settlement - a village center or a specialty, to gather documentation and on the basis of it to prepare the preliminary design of the reconstruction of one center of a village or a part of it, or to form a new nucleus, ie reanimate the selected one, in agreement with teachers.			
Literature Basic literature will be given later. Specific literature will be defined for each student, depending on the specific tasks, the locations they have chosen, topics and needs in the design process. The literature includes publications, collections of scientific papers, Internet sites, journals and other literature and sources related to the topic, which can be obtained by personal initiative, in the AF Library, or from a personal fund and upon the recommendation of teachers and associates.			
Number of active teaching classes			Other: 0
Lectures: 1	Exercises: 1	OFL: 0	
SRW: 0			
Method of carrying out the teaching Lectures, presentations, discussion, case analysis, seminar work, program and spatial design (architectural - urban project in adequate scale).			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	5	Written exam	
Practical teaching		Oral exam	
colloquium	10+10=20	Final portfolio	45
Seminar(s)	10	Final paper	20

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: THE ARCHITECT'S STROKE			
Teacher(s): Associate Professor Igor Ž. Rajković			
Status of the subject: Elective			
Number of ECTS credits: 3			
Conditions:			
Subject goal Developing creativity and lateral relationship to the design process. It will be examining the importance of drawing in the design process, from concept to realization, both as a stimulus of creative thinking and a technique of creative expression in space.			
Outcome of the subject Acquisition of new theoretical and practical knowledge that extends the range of design skills applicable in contemporary architectural practice.			
Subject content <i>Theory</i> The lectures on the subject are based on the theory of drawing as an indispensable technique for expressing the architects' work, but also on his role in the creative process. Theoretical teaching is mixed with practical work that involves the introduction of freehand drawing in the process of working on studio-related tasks. <i>Practical learning</i> Through a series of assignments followed by the lectures, drawing as part of the process of study stimulates the instinctive expression of ideas and experiences in space, follows and reviews the project design, influences the making of the architect's recognizable manuscript, and finally shows the essence of the idea and intent of the author of the architectural work.			
Literature Crowe, Norman and Laseau, Paul (1986). Visual Notes for Architects and Designers. New York: Wiley. Jones, Will (2011) Architects' Sketchbooks. London: Thames & Hudson. Lyndon, Donlyn and Moore, Charles (1994). Chambers for a Memory Place. Cambridge, MA: The MIT Press. Nerdinger, Winfried (2003). Dinner for Architects, A Collection of Napkin Sketches. New York: W. W. Norton & Company.			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Method that combines lectures, interactive discussions and exercises.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	15+15=30	Sketchbook	60
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: ARCHITECT - THE SKILL OF PRESENTATION			
Teacher(s): Assistant Professor Ph.D. Ivana M. Rakonjac			
Status of the subject: Elective			
Number of ECTS credits: 3			
Conditions:			
Subject goal The aim of the course is to improve students' independent research work in the process of presenting their own achievements in the field of architectural design. During the learning process students establish a critical attitude towards their own work in the process of personal affirmation in a professional and academic context.			
Outcome of the subject As a result of the working process, students are expected to gain insight into the nature of the architect's affirmation in a professional and academic context. Students develop the ability to understand the architectural profession and the role of the architect in society. The outcome of the subject is the development of critical thinking through a critical opinion towards their own work, as well as the skills to present their own achievements.			
Subject content The methodology of the course focuses on the articulation, systematization and structuring of personal CVs and the selection of representative references for portfolio, as well as supporting documentation segments, which involves applying for a variety of architectural jobs or continuing education in architecture and related fields. <i>Theory</i> Theoretical teaching takes place through introducing students to the many layers that present the architect's achievements. By analyzing the context in which the architect is placed, the ubiquity of different forms of communication and representation of the creator and the work is identified (Identification / Evaluation / Selection / Mapping / Structuring / Labeling). <i>Practical learning</i> Practical classes: - Research Segment: Students are introduced to a selected issue through a series of assignments that follow the topics introduced in the lectures. - Creative segment: on the basis of acquired knowledge and experience, students conceptualize the structure and content of documentation that appropriately presents and affirms the architect in a professional and academic context. - Performing segment: establishing a database that forms the basis for an upgrade through the formation of an architect's communication pattern - presentation skills in a specific context.			
Literature Igor Marjanovic, I., Ruedi Ray, K., Lokko, L. The Portfolio. Routledge: 2003. Pai, P. The Portfolio and the Diagram: Architecture, Discourse, and Modernity in America. MIT Press: 2002. Fletcher, M. Constructing the Persuasive Portfolio: The Only Primer You'll Ever Need. Taylor & Francis: 2016. Yee, R. Architectural Drawing: A Visual Compendium of Types and Methods. John Wiley & Sons: 2012.			
Number of active teaching classes			Other: 0
Lectures: 1	Exercises: 1	OFL: 0 SRW: 0	
Method of carrying out the teaching Classes are taught through lectures, interactive teaching through student public presentations, individual and public consultations, hands-on work, and semester-long work.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final portfolio	60
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: BIM 02				
Teacher(s): Assistant Professor Ph.D. Mirjana S. Devetaković				
Status of the subject: Elective				
Number of ECTS credits: 3				
Conditions: In order to be participant on this course, students should have taken an elective BIM course or Integrated Modeling of Architectural Objects.				
Subject goal The course is a continuation of the BIM elective course taught in the summer semester in the first year of the Master academic studies, in which students are introduced to the theoretical basics of BIM technology as well as basic BIM modeling techniques. Within the elective subject BIM 2, students are introduced to the different possibilities of using the BIM model - in the analysis of the performance of the designed building, simulation of the construction process, monitoring of construction costs and control of the use of the building. The main objective of this subject is to prepare students to work in the most modern technological environment and increase their competitiveness in the domestic and international professional markets.				
Outcome of the subject After completing the course, students are introduced to the theoretical basics of BIM, as well as the use of basic and advanced software to support BIM in the design and implementation phase of buildings (BIM 3D, 4D, 5D and 6D). They are ready to join architectural and construction practices which included BIM technology in their working process.				
Subject content The course is a combination of theoretical instruction delivered in the form of lectures, research and discussions, as well as practical work with advanced techniques of using three reference software (ArchiCAD, Allplan and BEXEL Manager), through concrete, simple reputable examples that are modeled. Also, during the semester students research one of the given topics and present this research through the final paper. The course uses several reference software packages available to students as educational versions. As in the BIM case, more intensive cooperation with the economy is envisaged. Students are introduced to the activities of the BIM Serbia Association and participate in the realization of the annual conference of this association.				
Literature Chuck Eastman, Paul Teicholz, Rafael Sacks, Kathleen Liston: BIM Handbook - A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers, and Contractors; John Wiley & Sons, 2011 AD Smart 02, Ed. Ricard Garber, BIM design : realising the creative potential of building information modelling, Wiley, 2014 BEXEL Manager – Getting Started, https://bexelconsulting.com/wp-content/uploads/BEXEL_Manager-Getting_Started.pdf				
Number of active teaching classes				Other: 0
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	
Method of carrying out the teaching Lectures and exercises at the faculty, as well as independent work of students.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	30	Written exam		
Practical teaching		Oral exam		
colloquium	40	Final portfolio	30	
Seminar(s)				

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: LIVING ENVIRONMENTS AESTHETICS IN ARCHITECTURE AND DESIGN			
Teacher(s): Professor Ph.D. Vladimir F. Mako			
Status of the subject: Elective			
Number of ECTS credits: 3			
Conditions:			
Subject goal The main objective of the course is to acquaint students with contemporary views of the aesthetic deliberation of architecture and design in the context of today the crucial issue of sustainability, protection and conservation of the environment. Through critical consideration of environmental aesthetics (enormo-elementalist aesthetics), phenomena, processes and achievements in architecture and design are explored in an interdisciplinary way.			
Outcome of the subject Through hands-on and theoretical work on the subject, students gain knowledge of the immortal-aesthetic aesthetics of architecture and design that broaden their competencies and enable them to enhance and enrich their work in the fields of design, urbanism, architectural technologies and construction.			
Subject content Theoretical Teaching: The course includes research on environmental aesthetics from the 1970s to the present. The emergence and development of environmental aesthetics is considered as a specific branch of the analytical tradition of aesthetics, which was formed through the aesthetic valorization of the natural environment, and has so far evolved into considerations of the social environment and the human impact of created environments - where architecture and design are. Architecture and design products are viewed through the concept of sustainability, which involves reconciling relationships between people and their natural and social habitats, with resource exploitation and technological development that does not disrupt the natural, social and economic system. To that end, environmental aesthetics is one of the most important topics of today, and its application in architecture and design emphasizes the importance of interdisciplinary research that includes specific knowledge from different disciplines such as philosophy, aesthetics, ethics, sociology, ergonomics, psychology, ecology, environmental protection, anthropology, etc. in an effort to achieve a synthesis of the various approaches and knowledge that comprehend architecture and design in the unity of the major philosophical and humane values of the beautiful, the good and the true. Practical classes: project development			
Literature 1. Jack L. Nasar, Environmental Aesthetics: Theory, Research, and Applications (Cambridge: Cambridge University press, 1992). 2. Randall Thomas, Environmental Design: An Introduction for Architects and Engineers (London and New York: Taylor & Francis, 2006). 3. Arnold Berleant and Allen Carlson, The Aesthetics of Human Environments (Peterborough: Broadview Press, 2007). 4. Gernot Böhme, The Aesthetics of Atmospheres (London and New York: Routledge, Taylor & Francis Group, 2018) 5. Ирена И. Кулетин Ђулафић, Свакодневна естетика у архитектури и примењеним уметностима (Београд: Зборник SmartArt, 2019/20).			
Number of active teaching classes			Other: 0
Lectures: 1	Exercises: 1	OFL: 0	
SRW: 0			
Method of carrying out the teaching Teaching is done through different types of work: ex cathedra lectures, interactive teaching in the form of discussions, exercises, analysis of case studies, presentations, research papers, written studies and presentations of group and individual projects. Students create a small architectural or design project that they consider practically and theoretically in the form of a case study. The project is interpreted by students from the point of view of the Euromo-aesthetic aesthetics by linking theoretical and practical knowledge in the context of ecology, environmental protection, ethics, aesthetics, technical and technological efficiency and cultural studies - whereby culture is viewed through a direct connection with economic, social, political and technological processes in society.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching	20	Oral exam	
colloquium	10+10=20	Final paper	50
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture			
Name of the subject: VISUAL COMMUNICATIONS			
Teacher(s): Assistant Professor Ph.D. Vladimir M. Parežanin			
Status of the subject: Elective			
Number of ECTS credits: 3			
Conditions:			
Subject goal The aim of the Visual Communication is to specify the knowledge and skills gained in Graphic Form Analysis, as well as to expand the knowledge acquired in previous courses in the field of visual communications and architectural graphics, and to build an analytical apparatus for considering graphic and visual data, the artificial substance of architecture. The course aims to consider selected theoretical and practical problems and to understand, adapt, transform the process of communication through reference visual discourse, and the structure of communication concepts and visual thinking, as well as to identify its sub-levels.			
Outcome of the subject The student will have knowledge of how the theory, practice and technologies of the visual arts affect the architectural project; the creative application of the visual arts and their importance and impact on architecture; creative application of similar works in the design process in the studio, in terms of their conceptualization and representation. Students will have knowledge of: 1. the needs and aspirations of building users; 2. the impact of buildings on the environment, and the precepts of sustainable design; and 3. the way in which buildings fit in to their local context.			
Subject content The course is delivered through: theoretical instruction - clarifying tasks and topics, basic principles and encouraging research process, discussion, theoretical and practical analysis and knowledge; practical teaching - practical and demonstration exercises, presentations, case studies, and graphic and textual answers to given topics. The focus of the course is on the theory of form, the potentials of the architectural nature of communications, the visual language of architecture, design theory, design methods and creative thinking, conducted through interactive and ad hoc lectures, directed toward the knowledge and skills needed to provide textual and graphic answers to tasks. The teaching process primarily relies on active student participation, mediation, and analytical discussion and making of theoretical discourse.			
Literature Арнхајм Р, <i>Уметност и визуелно опажање</i> , Београд: СКЦ, 1992. Богдановић К, <i>Поетика визибилног</i> , Београд: Завод за уџбенике и наставна средства, 2007. Богдановић К, <i>Поетика визуелног</i> , Београд: Завод за уџбенике и наставна средства, 2005. Јодик Ј, <i>Облик и простор у архитектури</i> , Београд: Орион арт, 2009. Мако В, <i>Естетика архитектура књ. 1 и 2</i> , Београд: Архитектонски факултет, 2005, 2009. Петровић Ђ, <i>Визуелне комуникације</i> , Београд: Архитектонски факултет, 1972. Петровић Ђ, <i>Композиција архитектонских облика</i> , Београд: Научна књига, 1972. Станисављевић Д, <i>Визуелна истраживања</i> , Београд: Архитектонски факултет, 2016. Станисављевић Д, <i>Графичко представљање облика у простору</i> , Београд: Архитектонски факултет, 2000. Радојевић А, <i>Архитектонско цртање 1, 2, 3</i> , Београд: Архитектонски факултет, 1988, 1989, 1995.			
Number of active teaching classes			Other: 0
Lectures: 1	Exercises: 1	OFL: 0	
SRW: 0			
Method of carrying out the teaching The course is delivered through theoretical instruction, practical and demonstration exercises, presentations, case studies, graphic and textual answers to given topics, and active student participation, mediation and discussions.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching	30	Oral exam	30
colloquium		Final portfolio	30
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies – Architecture				
Name of the subject: ENGLISH FOR ARCHITECTS 2				
Teacher(s): Associate Professor Ph.D. Gordana M. Vuković Nikolić				
Status of the subject: Elective				
Number of ECTS credits: 3				
Conditions:				
Subject goal The focus is on controversial topics in architecture on which is discussed in classes and on which the students write seminar paper as final exam. By an integrated teaching approach, it is being developed a communicative competence in listening, reading, speaking and writing but the primary goal is to synthetically use previous knowledge of English and to develop complex lexical and grammatical apparatus needed to discuss, argumentation and debate about architecture in English.				
Outcome of the subject Development of verbal skills in foreign language (English) in specific discourse of debate and argumentation in the field of architecture.				
Subject content <i>Theoretical education:</i> The focus is on the functional apparatus of debate and argumentation. The base are authentic texts systematically arranged to follow thematically and functionally the course programme, that is the practicum is being complemented each year, as well as multimedia presentations and students’ seminar papers of previous generations.				
Literature – Dr Gordana Vuković-Nikolić: Engleski za arhitekte 3, praktikum, Arhitektonski fakultet, Beograd, 2012. (distributed on the first class) – Gordana Vuković-Nikolić: Gramatika engleskog jezika sa vezbanjima, Viša PTT škola, Beograd, 1995. (online edition is on the teacher’s page of the Faculty’s website) – Gordana Vuković-Nikolić: Kreativno pisanje, Krug centar, 2010. (available in the bookshop)				
Number of active teaching classes				Other: 0
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching Teaching classroom and teacher’s office are equipped with audio-visual technology. Classes are based on the texts that are presented in the form of multimedia presentations and seminar papers of previous generations’ students. Main part of the coursework is the Practicum that each student receives at the beginning (for free). Through announced units in the Practicum, the students are encouraged to explore given topic on the internet, to discuss and to write about it in class and at home so that this gradually gained knowledge can be completed by the preparation for the final exam. The complete course methodology is being performed through teacher’s self-developed method (Portfolio method, described in detail in the book Creative writing, G. Vukovic -Nikolić , 2010).				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	30	Written exam	20	
Practical teaching		Oral exam	10	
colloquium	40			
Seminar(s)				

ELECTIVE SUBJECT 3 - ARCHITECTURAL TECHNOLOGIES

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture			
Name of the subject: BUILDINGS RENOVATION IN THE CONTEXT OF SUSTAINABLE ARCHITECTURE			
Teacher(s): Assistant Professor Ph.D. Ljiljana S. Đukanović (1), Professor Ph.D. Ana Radivojević			
Status of the subject: elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal The goal of the subject is to introduce students with the methods that enable the renovation of buildings, at different levels, to achieve a reduction in energy consumption, with the mandatory condition of preserving the comfort of use. Considering the age of the building fund and the fact that new buildings are constructed in accordance with the current regulations, represent a small percentage of the total number of buildings built in Serbia. Knowledge acquired in this field presents a necessary step in harmonizing their characteristics with the contemporary requirements of sustainable construction and represents a contemporary topic relevant to future practice.			
Outcome of the subject Students acquire knowledge about the importance of energy renovation and the changes in the quality of residential comfort. They are introduced to current regulations in the field of energy-efficient construction, and they are trained to review and analyze existing housing stock in case of more demanding standards.			
Subject content <i>Theory</i> Lectures are theoretical and practical. During ex-cathedra lectures, students are introduced with principles and methods of energy renovation. In the focus of theoretical lectures are the basic postulates of sustainable constructions (as design and construction approach), which are considered in the context of possible applications on existing buildings. Several parameters are investigated, such as urban parameters which influence characteristics of sustainability, current regulation, structure, zoning, building materials. Possible methods of renovation are also defined. Details of building envelope, structures, and defining of possible improvements in the process of renovation are also considered. <i>Practical learning</i> The practical part is defined as students work where students choose specific example (building) which does not meet the contemporary standards of energy consumption. Students propose energy renovation measures, and thorough the study of energy renovation, they realized a defined project. Students use theoretical knowledge (theoretical lectures in this subject) in defined practical work, and they apply the principles and methods of energy renovation on specific examples of residential multifamily building.			
Literature Jovanović Popović, M., at all: Национална типологија стамбених зграда Србије, Архитектонски факултет, ГИЗ, Београд, 2013. Јовановић Поповић, М.: Енергетска оптимизација зграда у контексту одрживе архитектуре, faze 1 i 2, Архитектонски факултет, Београд, 2003, 2005. Jovanović Popović, M.: Zdravo stanovanje, Arhitektonski fakultet, Beograd, 1991. Richarz, C., Schulz, C.: Energy efficiency refurbishments, Edition Detail Green Books, 2013. Giebler et al: Refurbishment manual, Detail, Birkhauser, 2009. Hegger, M., Energy Manual, sustainable architecture, Edition Detail. Baker, V.N., The Handbook of Sustainable Refurbishment, Earthscan, London, 2009.			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Lectures ex-cathedra, analysis of the examples from practice, presentation of examples, study of energy renewal.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	50
Practical teaching		Oral exam	
Colloquium	40		
Seminar(s)			

Table 5.2 Specification of subject

Specification of subject				
Study program: Master academic studies – Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture				
Name of the subject: LEED AND WELL SYSTEMS AND DESIGN PROCESS				
Teacher(s): Associate Professor Ph.D. Nataša D. Čuković Ignjatović				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: /				
Subject goal The main goal of the subject is to acquaint students with the systems for ecological certification of buildings and trends in contemporary architectural practice that are related to them in cause and effect. Emphasis is placed on the LEED (Leadership in Energy and Environmental Design) international system and certification of newly designed buildings.				
Outcome of the subject Through theoretical and practical work, students are introduced to principles and structure of LEED and WELL certification systems for evaluation of environmental characteristics of buildings with the special emphasis to LEED (Leadership in Energy and Environmental Design) the international system which has been recently used in our country. Students who complete the course qualify for the LEED GA (LEED Green Associate) professional exam. The student will have an understanding of: needs and aspirations of buildings users, impact of buildings on environment and premises of sustainable design, how buildings will fit in their local context, the nature of professionalism and obligations and responsibilities of architects towards clients, building users, building constructors, professional associates in broader society, the role of architect in design team and construction industry, recognizing the importance of current methods and trends in creation of built environment; potential impact of design on existing and future communities; research, critical evaluation and selection of alternative structural solution and the solution of materialization in accordance to architectural design; strategies for building construction and capabilities of integration knowledge about structural principles and construction techniques: physical conditions and characteristics of building materials, components and systems, as well as environmental impacts of these decisions. The student will have the knowledge of: design principles of visual, thermal and acoustic ambient; systems for achieving environmental comfort by the principles of sustainable development; strategies for designing of infrastructure network facilities (water systems, sewerage systems, systems of electrical installations, etc.) and ability to integrate them in architectural design. The student will have the ability to: understand environmental strategies and regulatory requirements: develop a conceptual and critical approach to architectural projects that integrates aesthetic aspects of the building and the technical requirements of construction and user needs.				
Subject content <i>Theory</i> Environmental questions, problems of sustainability, and resistance in the context of contemporary architectural theory and practice. Evaluation of environmental characteristics of buildings: basic starting point and principles, criteria, parameters, indicators. LEED system: structure, principles, certification process, categories, credits. WELL system: structure, principles, concepts, and components. Interactive lectures – work on thematic student competition, analysis of projects from previous studies, case study analysis (work at home, presentations, and discussions in the time of lectures).				
Literature LEED Core Concepts Guide, USGBC 2010 LEED Reference Guide for Building Design and Construction (LEED v4), USGBC 2013 LEED GA Study Guide, USGBC 2011 Green Building Certification Systems, T. Ebert et al, Detail Green Books, 2011 The WELL Building Standard version 1 (WELL v1) with Q1 2020 addenda, 2014-2020 International WELL Building Institute pbc. Sustainable and Resilient Building Design - Approaches, Methods and Tools, S. Kosanović, T. Klein, T. Konstantinou, A. Radivojević and L. Hildebrand (Eds.), TU Delft Open 2018. Energy - Resources and Building Performance, T.Konstantinou, N. Čuković Ignjatović and M. Zbašnik-Senegačnik (Eds.), TU Delft Open 2018. Web tools: LEED user, LEED credit library, LEED v4.1 BD+C Reference Guide, https://resources.wellcertified.com/tools/ script and working materials will be distributed to students during the semester				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching Lectures ex-cathedra, interactive lectures, case study analysis, smaller research projects, presentations, seminars.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching	20	Oral exam		
Colloquium		Seminar	50	
Seminar(s)	20			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture			
Name of the subject: LIGHTING IN ARCHITECTURE 2			
Teacher(s): Professor Ph.D. Lidija S. Đokić			
Status of the subject: elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal Introduction to the conditions and principles of lighting design in urban space, as well as the importance of masterplan of lightning. An analysis of the criteria and procedure for designing the lighting masterplan, as well as the effects that can be achieved.			
Outcome of the subject The outcome of the subject is understanding the effects that can be achieved by lighting, ability to define criteria that set the quality of lighting requirements, and the parameters that achieve the desired effects. Training students to develop urban lighting masterplans.			
Subject content The course is dedicated to the analysis of the significance and content of the masterplan of lightning, as well as to the analysis and critique of specific solutions. Students simulate the process of creating a lighting masterplan in their chosen urban space through seminar paper.			
Literature 1. Лидија Ђокић: Осветљење у архитектури – захтеви и смернице за пројектовање. Архитектонски факултет Универзитета у Београду. Београд, 2007. 2. Миомир Костић: Водич кроз свет технике осветљења. Minel-Schreder. Београд, 2000.			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Lectures, presentations, analysis and discussions.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
Colloquium	40	Seminar paper	60
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture			
Name of the subject: INTERIOR LIGHTING			
Teacher(s): Professor Ph.D. Lidija S. Đokić			
Status of the subject: elective			
Number of ECTS credits: 3			
Conditions: /			
Subject goal Introduction with conditions and principles of interior lighting design. The criteria for lighting design are analyzed through user requirements, functions, applied materials, as well as the physical characteristics of the space. The effects on lighting quality are viewed within the general architectural concept. The subject goal is understanding the basic concepts necessary to work in the field of lighting.			
Outcome of the subject The outcome of the subject is understanding the effects that can be achieved by interior lighting. Ability to define user-defined criteria applied materials and space in case of creating a design solution; ability to realize desired effects.			
Subject content The subject content is the introduction with conditions and principles of interior lighting design. The criteria for lighting design are analyzed through the requirements of users, functions, applied materials, as well as the physical characteristics of the space. The effects on lighting quality are view within the general architectural concept. Training students to design interior lighting projects.			
Literature Лидија Ђокић: Осветљење у архитектури – захтеви и смернице за пројектовање. Архитектонски факултет Универзитета у Београду. Београд, 2007. Derek Phillips: Lighting Modern Buildings. Architectural Press. Oxford, 2007. Christopher Cuttle: Lighting by Design. Architectural Press. Oxford, 2003. Миомир Костић: Водич кроз свет технике осветљења. Minel-Schreder. Београд, 2000.			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
Method of carrying out the teaching Lectures ex-cathedra, presentation, visit of representative interior.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
Colloquium	50	Lighting project	50
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture _ Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture				
Name of the subject: BUILDING MANAGEMENT AND MAINTENANCE				
Teacher(s): Assistant Professor Ph.D. Milan A. Radojević				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: /				
Subject goal The subject goal is understanding the importance of the process of maintaining installation systems, equipment, devices, as well as the whole building and its environment during the exploitation. In addition of learning about the maintenance process, which has the significant role of slowing down the 'aging' of the building, as well as the protection of designed functionality, students are introduced to the architect's role in multidisciplinary teams dealing with the management and maintenance of the built space.				
Outcome of the subject Understanding and importance of the building maintenance plan/project, graphical and numerical building data, as well as the number of participants in the process of forming documentation and maintenance. Consideration of maintenance costs, the time required, and the most appropriate time to carry out the maintenance process concerning the function and exploitation of building, equipment, and installation systems.				
Subject content <i>Theory</i> Students are introduced to basic concepts related to facility maintenance, management, and the forming of maintenance documentation. The course is based on the acquisition of theoretical knowledge of the functioning of the installation systems, equipment, and whole building in order to preserve or improve its function, architectural and economic value during the period of exploitation. <i>Practical learning</i> It is envisaged that students, in addition to acquiring theoretical knowledge in this field in lectures, actively prepare and participate in the form of short presentations during classes by a previously set topic according to the timetable. As well they need to present the Maintenance plan of the selected example (building of the Technical Faculties in Belgrade), applying the acquired theoretical knowledge. It is possible to use appropriate software during the preparation of the paper.				
Literature Edward Mills - Building Maintenance and Preservation Eric Teicholz - Facility Design and Management Handbook Душан Смиљанић - Кварови на зградама Мишел Кламан - Лобирање Rick Best, Gerard De Valence - Building in Value Милан Радојевић - Одржавање објеката и управљање (Facility Management), скрипта				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching Lectures, analysis of selected examples and solutions, research work and presentations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures, presentations and discussions	30	Seminar paper	50	
Practical teaching		Oral exam		
Colloquium	20			
Seminar(s)				

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture _ Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture				
Name of the subject: RECONSTRUCTION AND REHABILITATION OF BUILDINGS				
Teacher(s): dr Nenead D. Šekularac, full professor				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: the average on studies to date				
Subject goal <p>The subject goal is acquiring the necessary knowledge in the field of architecture and construction in order to get acquainted with the basic principles of reconstruction and rehabilitation of architectural buildings. Reconstruction and rehabilitation of buildings occur as a separate area of construction, with the aim of eliminating the causes and consequences that occur on architectural buildings, due to various effects, natural or artificial, or as a result of the way of construction, exploitation or desire to change function and adaptation.</p> <p>The aim of teaching this subject is to get acquainted with different ways of static protection of architectural structures. Through the teaching in this subject, the existing knowledge in the field of structural statics, architectural structures, and protection of the entire building stock is improved as part of the necessary knowledge in successfully mastering the curriculum in master academic studies of architecture.</p>				
Outcome of the subject <p>Outcomes of the subject are the acquisition of new knowledge in the field of reconstruction and rehabilitation by applying modern technical and technological solutions in the field of rehabilitation and reconstruction of architectural buildings, applying modern protection principles, applying modern materials and construction techniques. Through the presentation of a large number of examples from practice, students will be introduced to practically implemented solutions as part of significant and rich experience on examples of modern architectural buildings, as well as objects from the past that are protected and part of cultural heritage. The knowledge acquired through theoretical instruction in this subject is a matter necessary for further successful work on master studies of architecture, which relate to the rehabilitation, reconstruction, and materialization of architectural buildings, as well as the knowledge that will be able to successfully apply in their construction practice in the future.</p>				
Subject content <i>Theory</i> <p>The problem of reconstruction and rehabilitation of architectural buildings, through the study of the methods of structural rehabilitation of foundations, walls, floors, facades, and other parts of buildings, represents the area of research in this subject. All problems are treated from the aspect of static-structural protection, materialization, and solutions through a specific case, and the detail resolved. The analysis of practical examples and the detailed presentation of static rehabilitation and reconstruction of architectural buildings will supplement theoretical knowledge.</p> <i>Practical learning</i> /				
Literature <ul style="list-style-type: none"> - Milorad Dimitrijević, Statičko konstruktivni problemi u zaštiti graditeljskog nasleđa, Univerzitet u Beogradu Arhitektonski fakultet, Beograd, 1984. godine; - Pravilnik o tehničkim normativima za sanaciju, ojačanje i rekonstrukciju objekata visokogradnje oštećenih zemljotresom i za rekonstrukciju i revitalizaciju objekata visokogradnje; - Zbirka jugoslovenskih pravilnika i standarda za građevinske konstrukcije knjiga 1 – dejstvo na konstrukcije, 1995, Građevinski fakultet, Univerziteta u Beogradu, Beograd; - The literature required to work on the subject, depending on the assignment, will be prepared by the teacher and made available to students. 				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	

Method of carrying out the teaching			
Classes are conducted through a combination of several different forms of work such as ex-cathedra lectures, case analysis, interactive forms of teaching, active participation in discussions, work on the production of seminar papers and graphic contributions (individually or in groups - two members).			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	20	Written exam	40
Colloquium 1	10	Oral exam	20
Colloquium 2	10		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture _ Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture				
Name of the subject: MODERN CONCRETE TECHNOLOGY: BASICS				
Teacher(s): dr Dejan T. Vasović, assistant professor				
Status of the subject: elective				
Number of ECTS credits: 3				
Conditions: /				
Subject goal New technologies in the design and production of concrete open up unexpected possibilities in the construction of architectural buildings. This course aims to introduce students with modern technological procedures in the application of concrete in architectural buildings. This enables the full cooperation of the architectural designer, engineer, and contractor.				
Outcome of the subject Understanding of the relationship between people and buildings, and between buildings and their environment, and the need to relate buildings and the spaces between them to human needs and scale. The student will have an understanding of: <div><div>1.</div><div>impacts of buildings on the environment and premises of sustainable design;</div></div> <div><div>2.</div><div>the way in which buildings fit in to their local context.</div></div> Understanding of the structural design, constructional and engineering problems associated with building design. The student will have an understanding of: <div><div>1.</div><div>the investigation, critical appraisal and selection of alternative structural, constructional and material systems relevant to architectural design;</div></div> <div><div>2.</div><div>strategies for building construction, and ability to integrate knowledge of structural principles and construction techniques;</div></div> <div><div>3.</div><div>the physical properties and characteristics of building materials, components and systems, and the environmental impact of specification choices.</div></div>				
Subject content <i>Theory</i> Through a block of lectures, students are introduced with the basics of concrete technology, as well as with modern ways of designing concrete mixtures that correspond to the special conditions of construction or operation of the buildings. The connection between new technological requirements that appear in specific architectural buildings and new types of concrete that represent a solution to the problem is given. The design of fresh concrete mix from the choice of components, through the composition of concrete and the way of testing concrete in the fresh and hardened state, is explained. In the end, there is an overview of the constructed buildings in which special types of concrete were used.				
Literature A. M. Nevil, Svojstva betona, Građevinska knjiga, Beograd, 1976. Prof. dr Mihajlo Muravljov: Osnovi teorije i tehnologije betona, Beograd, Građevinska knjiga/Stilos, 2010. Specijalni betoni i malteri, svojstva, tehnologija, primena, monografija, Građevinski fakultet, Beograd Sekula Živković: Betoniranje u žarkim klimatima, Građevinska knjiga, Beograd Prof. dr Mihajlo Muravljov, Prof. dr Dragica Jevtić: Građevinski materijali 2, Beograd, Građevinski fakultet, 1999. www.efnarc.org				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching Lectures.				

Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	60
Practical teaching		Oral exam	
colloquium	30		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture _ Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture	
Name of the subject: TIMBER STRUCTURES	
Teacher(s): dr Žikica M. Tekić, associate professor	
Status of the subject: elective	
Number of ECTS credits: 3	
Conditions: /	
Subject goal <p>The objective of the course is to have students master modern program principles of designing and constructing modern timber structural systems (wooden lattice girders in the LKV system). The work is based on the principles of the modern design of timber structures in the field of creating different forms of timber structures.</p>	
Outcome of the subject <p>Concept of a timber structure in the LKV system, over the base of given shape and given dimensions, application of selected basic shape of LKV element, functional organization of roof structure, design of functional elements, making 3D models and models of the timber structure, load analysis, static analysis of basic LKV girders, design and dimensioning of connections made with metal connectors, in accordance with Eurocode 5.</p>	
Subject content <p>Through a series of lectures, students are introduced to the system of light roof girders. As part of the teaching, visits to LKV production plants, visits to construction sites, with monitoring of the assembly of LKV structures, as well as a tour of buildings with already constructed structures in the LKV system, are planned. As part of the lecture, through the presentation of numerous examples of realized structures, students are presented with a wide field of application of timber lattice girders in the LKV system in architectural engineering. Special attention is paid to the application of European standards in constructions: basic calculations, snow, and wind loads and dimensioning of wooden elements (Eurocode 5 - EC5). The variety of roof shapes shown through different static systems and forms justifies the use of wood in the construction of buildings for different purposes, which is essential for the amount of knowledge acquired in this subject, and of great importance for students to apply them in their further professional work. The teaching mostly includes the functional organization of timber roof structures in the LKV system, the design of supports and joints for stiffening, static analysis, and dimensioning of connections made with metal connectors. How the load-bearing capacity is determined is illustrated by numerous experimental tests of a large number of test specimens, which were personally conducted by the subject teacher. Students also have access to software for designing wooden roof structures in the LKV system, the author of which is the subject teacher.</p>	
Literature <ul style="list-style-type: none"> - Lectures on the subject, delivered to students in electronic form, - Vojislav Kujundžić, Žikica Tekić, Saša Đorđević, Savremeni sistemi drvenih konstrukcija, Orion art, 2004., - Žikica Tekić, Oblikovanje funkcionalnih elemenata krovnih drvenih struktura u sistemu LKV – programski paket, Magistarska teza, Arhitektonski fakultet Univerziteta u Beogradu, Beograd, 2001., - Žikica Tekić, Savremeni koncepti primene metalnih konektera u sistemima drvenih struktura, Докторска дисертација, Архитектонски факултет, Београд, 2005., - Saša Đorđević, Oblikovanje funkcionalnih elemenata krovova sa potkrovljem u sistemu LKV, Magistarska teza, Arhitektonski fakultet Univerziteta u Beogradu, Beograd, 2010., - Eurocodes - European standards, - Prospectus of the manufacturer of glulam structures (LKV system), - Expert material available on the Internet. 	
Number of active teaching classes	Other: /

Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	
Method of carrying out the teaching Classes are held with small groups of students, where the application of different forms of LKV elements, their design is performed, as well as the functional organization of roof structures, in order to rationalize the adopted design solution, regarding the rational use of wood and metal connectors.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures		Written exam	50	
Colloquium 1	15	Oral exam	20	
Colloquium 2	15			
Seminar(s)				

Table 5.2 Specification of subject

Study program: Master academic studies Architecture / Module A, Module U, Module AT, Module AE / Integrated academic studies - Architecture
Name of the subject: OPTIMIZATION OF STRUCTURAL SYSTEMS
Teacher(s): dr Jelena Ž. Milošević, assistant professor
Status of the subject: elective
Number of ECTS credits: 3
Conditions: /
Subject goal <p>The objective of the course is to present to students the concept of Performance-based Design and the potentials of applying optimization as a generative method in the design process of structural systems in architecture. The intention is to show the creative potential of an approach where the design solution is a rational response to constraints, and the demand for efficiency is realized using the advanced capabilities of new digital technologies and tools.</p>
Outcome of the subject <p>The student is expected to acquire specific skills, knowledge, as well as understanding of structural systems, construction and structural issues relevant to architectural design.</p> <ul style="list-style-type: none"> _ The student will have the ability to: <ul style="list-style-type: none"> - develop conceptual and critical approach to architectural designs that integrate aesthetical aspects of the building and technical requirements. _ The student will have the knowledge of: <ul style="list-style-type: none"> - principles of constructing and shaping structural systems in architecture; - diverse design solutions and possibilities for their creative application in the process of architectural design; - methods and tools for generating spatial structures and ways of manipulating models and performance in the process of architectural design. _ The student will have an understanding of: <ul style="list-style-type: none"> - the investigation, critical appraisal and selection of alternative structural, construction and material system relevant to architectural design; - strategies for building construction, and ability to integrate knowledge of structural principles and construction techniques; - the physical properties and characteristics of building materials, components and systems, and the environmental impact of specification choices.
Subject content <p><i>Theory</i></p> <p>Theoretical teaching includes three thematic units. The first thematic unit addresses the concepts underlying optimization: the concept of Performance-based Design, application of bionics in architecture, and realization of optimal solutions based on lessons from nature, etc. The second thematic unit deals with the basics of optimizing structures: principles; problems - a selection of materials, shapes, dimensions, topologies, and other features in order to fulfill the functional tasks of the structural system and satisfy a number of conditions; criteria/functions of structures' performance evaluation. The third thematic unit addresses the methods of formulating complex physical processes into an abstract, holistic, and rational model, optimization techniques, and tools.</p> <p><i>Practical learning</i></p> <p>Practical classes include work on assignments and project experiments.</p>
Literature <p>Adriaenssens, S.; Block, P.; Veenendaal, D.; Williams, C. (Eds.). (2014). Shell Structures for Architecture: Form Finding and Optimization. Routledge.</p> <p>Spillers W. R.; MacBain, K. M. (2009). Structural Optimization. Springer Science + Business Media, LLC.</p> <p>Zloković, Đ. (1975). Optimizacija u izboru i projektovanju konstrukcija. Univerzitet u Beogradu, Arhitektonski fakultet, Poslediplomske studije kurs - stanovanje.</p>

Frazer, J. (1996). An Evolutionary Architecture. London: Architectural Association.

Knippers, J.; Nickel, K.G.; Speck, T. (eds.). (2016). Biomimetic Research for Architecture and Building Construction: Biological Design and Integrative Structures. Springer. 2016.

Tibbits, S. (Ed.). (2017). Autonomous Assembly: Designing for a New Era of Collective Construction. Wiley.

Literature covering particular subject units suggested in lectures.

Number of active teaching classes				Other: /
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	

Method of carrying out the teaching

Various forms of work, such as lectures, interactive forms of teaching, project learning, consultations, etc., are applied in the realization of teaching.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	points	Final exam	points
Activity during lectures	30	Written exam	
Practical teaching		Oral exam	
colloquium		Elaborate	70
Seminar(s)			

ELECTIVE COURSES - Module A - Architecture

Study program: Master academic studies - Architecture_ Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – DESIGN PROJECT / STUDIO 05 A – DESIGN PROJECT -01			
Teacher(s): Professor Ivan V. Rašković			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M01 A (05A) work depends on the assignment complexity of a given level of Master academic studies. The content of work reflects the ambition to link and improve knowledge and skills gained during undergraduate academic studies, both at the level of research and generalization, as well as at the level of designing and execution. The work is focused on skills mastering for space organization and shaping of the form of architectural and urban space that meets appropriate aesthetic, functional and technical requirements for contemporary living. The design assignment stimulates understanding and interpretation of the relation between man and space and relation of architectural and urban structures and their environment. These relations are studied on all levels: from regulations, through the typology and character of the space, to the technical models of building construction. The focus is on the understanding of the phenomenon of architectural space and its technical, technological and spatial solidity.			
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures:/	Exercises:/	OFL: 9SRW:/	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies - Architecture_ Module A/ Integrated Academic Studies – Architecture				
Name of the subject: STUDIO M01 A – DESIGN PROJECT / STUDIO 05 A – DESIGN PROJECT -02				
Teacher(s): Professor Goran B. Vojvodić				
Status of the subject: Elective				
Number of ECTS credits: 15				
Conditions:				
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.				
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.				
Subject content The content of Studio M01 A (05A) work depends on the assignment complexity of a given level of Master academic studies. The content of work reflects the ambition to link and improve knowledge and skills gained during undergraduate academic studies, both at the level of research and generalization, as well as at the level of designing and execution. The work is focused on skills mastering for space organization and shaping of the form of architectural and urban space that meets appropriate aesthetic, functional and technical requirements for contemporary living. The design assignment stimulates understanding and interpretation of the relation between man and space and relation of architectural and urban structures and their environment. These relations are studied on all levels: from regulations, through the typology and character of the space, to the technical models of building construction. The focus is on the understanding of the phenomenon of architectural space and its technical, technological and spatial solidity.				
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.				
Number of active teaching classes				Other:
Lectures:/	Exercises:/	OFL: 9	SRW:/	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		points	Final exam	
Activity during lectures		10	Written exam	
Practical teaching			Oral exam	
colloquium		30	Studio portfolio and design presentation review	
Seminar(s)				
			60	

Study program: Master academic studies - Architecture_ Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – DESIGN PROJECT / STUDIO 05 A – DESIGN PROJECT -03			
Teacher(s): Professor Vesna P. Cagić Milošević			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M01 A (05A) work depends on the assignment complexity of a given level of Master academic studies. The content of work reflects the ambition to link and improve knowledge and skills gained during undergraduate academic studies, both at the level of research and generalization, as well as at the level of designing and execution. The work is focused on skills mastering for space organization and shaping of the form of architectural and urban space that meets appropriate aesthetic, functional and technical requirements for contemporary living. The design assignment stimulates understanding and interpretation of the relation between man and space and relation of architectural and urban structures and their environment. These relations are studied on all levels: from regulations, through the typology and character of the space, to the technical models of building construction. The focus is on the understanding of the phenomenon of architectural space and its technical, technological and spatial solidity.			
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 9SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies - Architecture_ Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – DESIGN PROJECT / STUDIO 05 A – DESIGN PROJECT -04			
Teacher(s): Associate Professor Milan A. Đurić			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M01 A (05A) work depends on the assignment complexity of a given level of Master academic studies. The content of work reflects the ambition to link and improve knowledge and skills gained during undergraduate academic studies, both at the level of research and generalization, as well as at the level of designing and execution. The work is focused on skills mastering for space organization and shaping of the form of architectural and urban space that meets appropriate aesthetic, functional and technical requirements for contemporary living. The design assignment stimulates understanding and interpretation of the relation between man and space and relation of architectural and urban structures and their environment. These relations are studied on all levels: from regulations, through the typology and character of the space, to the technical models of building construction. The focus is on the understanding of the phenomenon of architectural space and its technical, technological and spatial solidity.			
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures:/	Exercises:/	OFL: 9SRW:/	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies - Architecture_ Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – DESIGN PROJECT / STUDIO 05 A – DESIGN PROJECT -05			
Teacher(s): Associate Professor Aleksandru J. Vuja			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M01 A (05A) work depends on the assignment complexity of a given level of Master academic studies. The content of work reflects the ambition to link and improve knowledge and skills gained during undergraduate academic studies, both at the level of research and generalization, as well as at the level of designing and execution. The work is focused on skills mastering for space organization and shaping of the form of architectural and urban space that meets appropriate aesthetic, functional and technical requirements for contemporary living. The design assignment stimulates understanding and interpretation of the relation between man and space and relation of architectural and urban structures and their environment. These relations are studied on all levels: from regulations, through the typology and character of the space, to the technical models of building construction. The focus is on the understanding of the phenomenon of architectural space and its technical, technological and spatial solidity.			
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures:/	Exercises:/	OFL: 9SRW:/	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies - Architecture_ Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – DESIGN PROJECT / STUDIO 05 A – DESIGN PROJECT -06			
Teacher(s): Associate Professor Ph.D. Vladimir B. Milenković			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M01 A (05A) work depends on the assignment complexity of a given level of Master academic studies. The content of work reflects the ambition to link and improve knowledge and skills gained during undergraduate academic studies, both at the level of research and generalization, as well as at the level of designing and execution. The work is focused on skills mastering for space organization and shaping of the form of architectural and urban space that meets appropriate aesthetic, functional and technical requirements for contemporary living. The design assignment stimulates understanding and interpretation of the relation between man and space and relation of architectural and urban structures and their environment. These relations are studied on all levels: from regulations, through the typology and character of the space, to the technical models of building construction. The focus is on the understanding of the phenomenon of architectural space and its technical, technological and spatial solidity.			
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 9SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies - Architecture_ Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – DESIGN PROJECT / STUDIO 05 A – DESIGN PROJECT -07			
Teacher(s): Associate Professor Ph.D. Aleksandar Č. Videnović			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M01 A (05A) work depends on the assignment complexity of a given level of Master academic studies. The content of work reflects the ambition to link and improve knowledge and skills gained during undergraduate academic studies, both at the level of research and generalization, as well as at the level of designing and execution. The work is focused on skills mastering for space organization and shaping of the form of architectural and urban space that meets appropriate aesthetic, functional and technical requirements for contemporary living. The design assignment stimulates understanding and interpretation of the relation between man and space and relation of architectural and urban structures and their environment. These relations are studied on all levels: from regulations, through the typology and character of the space, to the technical models of building construction. The focus is on the understanding of the phenomenon of architectural space and its technical, technological and spatial solidity.			
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures:/	Exercises:/	OFL: 9SRW:/	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies - Architecture_ Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – DESIGN PROJECT / STUDIO 05 A – DESIGN PROJECT -08			
Teacher(s): Associate Professor Nebojša S. Fotirić			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M01 A (05A) work depends on the assignment complexity of a given level of Master academic studies. The content of work reflects the ambition to link and improve knowledge and skills gained during undergraduate academic studies, both at the level of research and generalization, as well as at the level of designing and execution. The work is focused on skills mastering for space organization and shaping of the form of architectural and urban space that meets appropriate aesthetic, functional and technical requirements for contemporary living. The design assignment stimulates understanding and interpretation of the relation between man and space and relation of architectural and urban structures and their environment. These relations are studied on all levels: from regulations, through the typology and character of the space, to the technical models of building construction. The focus is on the understanding of the phenomenon of architectural space and its technical, technological and spatial solidity.			
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 9 SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – DESIGN PROJECT / STUDIO 05 A – DESIGN PROJECT -09			
Teacher(s): Associate Professor Ph.D. Đorđe V. Stojanović			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M01 A (05A) work depends on the assignment complexity of a given level of Master academic studies. The content of work reflects the ambition to link and improve knowledge and skills gained during undergraduate academic studies, both at the level of research and generalization, as well as at the level of designing and execution. The work is focused on skills mastering for space organization and shaping of the form of architectural and urban space that meets appropriate aesthetic, functional and technical requirements for contemporary living. The design assignment stimulates understanding and interpretation of the relation between man and space and relation of architectural and urban structures and their environment. These relations are studied on all levels: from regulations, through the typology and character of the space, to the technical models of building construction. The focus is on the understanding of the phenomenon of architectural space and its technical, technological and spatial solidity.			
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 9 SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – DESIGN PROJECT / STUDIO 05 A – DESIGN PROJECT -10			
Teacher(s): Assistant Professor Ph.D. Milan D. Maksimović			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M01 A (05A) work depends on the assignment complexity of a given level of Master academic studies. The content of work reflects the ambition to link and improve knowledge and skills gained during undergraduate academic studies, both at the level of research and generalization, as well as at the level of designing and execution. The work is focused on skills mastering for space organization and shaping of the form of architectural and urban space that meets appropriate aesthetic, functional and technical requirements for contemporary living. The design assignment stimulates understanding and interpretation of the relation between man and space and relation of architectural and urban structures and their environment. These relations are studied on all levels: from regulations, through the typology and character of the space, to the technical models of building construction. The focus is on the understanding of the phenomenon of architectural space and its technical, technological and spatial solidity.			
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 9 SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – DESIGN PROJECT / STUDIO 05 A – DESIGN PROJECT -11			
Teacher(s): Assistant Professor Ph.D. Grozdana S. Šišović			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M01 A (05A) work depends on the assignment complexity of a given level of Master academic studies. The content of work reflects the ambition to link and improve knowledge and skills gained during undergraduate academic studies, both at the level of research and generalization, as well as at the level of designing and execution. The work is focused on skills mastering for space organization and shaping of the form of architectural and urban space that meets appropriate aesthetic, functional and technical requirements for contemporary living. The design assignment stimulates understanding and interpretation of the relation between man and space and relation of architectural and urban structures and their environment. These relations are studied on all levels: from regulations, through the typology and character of the space, to the technical models of building construction. The focus is on the understanding of the phenomenon of architectural space and its technical, technological and spatial solidity.			
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 9 SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – SEMINAR / STUDIO M05 A – SEMINAR -01			
Teacher(s): Professor Ivan V. Rašković			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions: Selection of the Seminar within the Study Unit STUDIO M01A (05A) depends on the selection of the Design Project within the same Study Unit.			
Subject goal Seminar M01A (05A) is conceived, due to the need to provide students with a balanced amount of diverse contemporary approaches to the subject of architectural and urban design, as an autonomous field of work in which, depending on the individual methodology of every particular studio, students have a high degree of freedom to choose and improve independent and individual working methods.			
Outcome of the subject The outcome of the Seminar within the Studio is set as research and theoretical part of work conducted through various methods and approaches to analytics made before and during the work on the development of the architectural and urban design. Conventional and experimental methods of work are materialized through a portfolio, the outcome of which is determined by the character of a study program. The student will have knowledge of: the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; the influence of history and theory on the spatial, social, and technological aspects of architecture; the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach. The graduate will have an understanding of: the needs and aspirations of building users; the impact of buildings on the environment, and the precepts of sustainable design; the way in which buildings fit in to their local context.			
Subject content The content of the subject Seminar M01A (05A) within the Studio M01A (05A) of Master academic studies is set as methodologically specific and by content autonomous research, based on contemporary changes in teaching approaches and directed towards developing different interests and preferences within students of architecture.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: 2	Exercises: /	OFL: /	
SRW: /			
Method of carrying out the teaching Teaching must include a combination of several various forms of work, such as ex-cathedra lectures, discussions, interactive teaching, case studies, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final paper/Portfolio	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – SEMINAR / STUDIO M05 A – SEMINAR -02			
Teacher(s): Professor Goran B. Vojvodić			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions: Selection of the Seminar within the Study Unit STUDIO M01A (05A) depends on the selection of the Design Project within the same Study Unit.			
Subject goal Seminar M01A (05A) is conceived, due to the need to provide students with a balanced amount of diverse contemporary approaches to the subject of architectural and urban design, as an autonomous field of work in which, depending on the individual methodology of every particular studio, students have a high degree of freedom to choose and improve independent and individual working methods.			
Outcome of the subject The outcome of the Seminar within the Studio is set as research and theoretical part of work conducted through various methods and approaches to analytics made before and during the work on the development of the architectural and urban design. Conventional and experimental methods of work are materialized through a portfolio, the outcome of which is determined by the character of a study program. The student will have knowledge of: the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; the influence of history and theory on the spatial, social, and technological aspects of architecture; the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach. The graduate will have an understanding of: the needs and aspirations of building users; the impact of buildings on the environment, and the precepts of sustainable design; the way in which buildings fit in to their local context.			
Subject content The content of the subject Seminar M01A (05A) within the Studio M01A (05A) of Master academic studies is set as methodologically specific and by content autonomous research, based on contemporary changes in teaching approaches and directed towards developing different interests and preferences within students of architecture.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: 2	Exercises: /	OFL: /	
SRW: /			
Method of carrying out the teaching Teaching must include a combination of several various forms of work, such as ex-cathedra lectures, discussions, interactive teaching, case studies, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final paper/Portfolio	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – SEMINAR / STUDIO M05 A – SEMINAR -03			
Teacher(s): Professor Vesna P. Cagić Milošević			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions: Selection of the Seminar within the Study Unit STUDIO M01A (05A) depends on the selection of the Design Project within the same Study Unit.			
Subject goal Seminar M01A (05A) is conceived, due to the need to provide students with a balanced amount of diverse contemporary approaches to the subject of architectural and urban design, as an autonomous field of work in which, depending on the individual methodology of every particular studio, students have a high degree of freedom to choose and improve independent and individual working methods.			
Outcome of the subject The outcome of the Seminar within the Studio is set as research and theoretical part of work conducted through various methods and approaches to analytics made before and during the work on the development of the architectural and urban design. Conventional and experimental methods of work are materialized through a portfolio, the outcome of which is determined by the character of a study program. The student will have knowledge of: the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; the influence of history and theory on the spatial, social, and technological aspects of architecture; the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach. The graduate will have an understanding of: the needs and aspirations of building users; the impact of buildings on the environment, and the precepts of sustainable design; the way in which buildings fit in to their local context.			
Subject content The content of the subject Seminar M01A (05A) within the Studio M01A (05A) of Master academic studies is set as methodologically specific and by content autonomous research, based on contemporary changes in teaching approaches and directed towards developing different interests and preferences within students of architecture.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: 2	Exercises: /	OFL: /	
SRW: /			
Method of carrying out the teaching Teaching must include a combination of several various forms of work, such as ex-cathedra lectures, discussions, interactive teaching, case studies, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final paper/Portfolio	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – SEMINAR / STUDIO M05 A – SEMINAR -04			
Teacher(s): Associate Professor Milan A. Đurić			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions: Selection of the Seminar within the Study Unit STUDIO M01A (05A) depends on the selection of the Design Project within the same Study Unit.			
Subject goal Seminar M01A (05A) is conceived, due to the need to provide students with a balanced amount of diverse contemporary approaches to the subject of architectural and urban design, as an autonomous field of work in which, depending on the individual methodology of every particular studio, students have a high degree of freedom to choose and improve independent and individual working methods.			
Outcome of the subject The outcome of the Seminar within the Studio is set as research and theoretical part of work conducted through various methods and approaches to analytics made before and during the work on the development of the architectural and urban design. Conventional and experimental methods of work are materialized through a portfolio, the outcome of which is determined by the character of a study program. The student will have knowledge of: the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; the influence of history and theory on the spatial, social, and technological aspects of architecture; the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach. The graduate will have an understanding of: the needs and aspirations of building users; the impact of buildings on the environment, and the precepts of sustainable design; the way in which buildings fit in to their local context.			
Subject content The content of the subject Seminar M01A (05A) within the Studio M01A (05A) of Master academic studies is set as methodologically specific and by content autonomous research, based on contemporary changes in teaching approaches and directed towards developing different interests and preferences within students of architecture.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: 2	Exercises: /	OFL: /	
SRW: /			
Method of carrying out the teaching Teaching must include a combination of several various forms of work, such as ex-cathedra lectures, discussions, interactive teaching, case studies, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final paper/Portfolio	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – SEMINAR / STUDIO M05 A – SEMINAR -05			
Teacher(s): Associate Professor Aleksandru J. Vuja			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions: Selection of the Seminar within the Study Unit STUDIO M01A (05A) depends on the selection of the Design Project within the same Study Unit.			
Subject goal Seminar M01A (05A) is conceived, due to the need to provide students with a balanced amount of diverse contemporary approaches to the subject of architectural and urban design, as an autonomous field of work in which, depending on the individual methodology of every particular studio, students have a high degree of freedom to choose and improve independent and individual working methods.			
Outcome of the subject The outcome of the Seminar within the Studio is set as research and theoretical part of work conducted through various methods and approaches to analytics made before and during the work on the development of the architectural and urban design. Conventional and experimental methods of work are materialized through a portfolio, the outcome of which is determined by the character of a study program. The student will have knowledge of: the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; the influence of history and theory on the spatial, social, and technological aspects of architecture; the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach. The graduate will have an understanding of: the needs and aspirations of building users; the impact of buildings on the environment, and the precepts of sustainable design; the way in which buildings fit in to their local context.			
Subject content The content of the subject Seminar M01A (05A) within the Studio M01A (05A) of Master academic studies is set as methodologically specific and by content autonomous research, based on contemporary changes in teaching approaches and directed towards developing different interests and preferences within students of architecture.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: 2	Exercises: /	OFL: /	
SRW: /			
Method of carrying out the teaching Teaching must include a combination of several various forms of work, such as ex-cathedra lectures, discussions, interactive teaching, case studies, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final paper/Portfolio	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – SEMINAR / STUDIO M05 A – SEMINAR -06			
Teacher(s): Associate Professor Ph.D. Vladimir B. Milenković			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions: Selection of the Seminar within the Study Unit STUDIO M01A (05A) depends on the selection of the Design Project within the same Study Unit.			
Subject goal Seminar M01A (05A) is conceived, due to the need to provide students with a balanced amount of diverse contemporary approaches to the subject of architectural and urban design, as an autonomous field of work in which, depending on the individual methodology of every particular studio, students have a high degree of freedom to choose and improve independent and individual working methods.			
Outcome of the subject The outcome of the Seminar within the Studio is set as research and theoretical part of work conducted through various methods and approaches to analytics made before and during the work on the development of the architectural and urban design. Conventional and experimental methods of work are materialized through a portfolio, the outcome of which is determined by the character of a study program. The student will have knowledge of: the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; the influence of history and theory on the spatial, social, and technological aspects of architecture; the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach. The graduate will have an understanding of: the needs and aspirations of building users; the impact of buildings on the environment, and the precepts of sustainable design; the way in which buildings fit in to their local context.			
Subject content The content of the subject Seminar M01A (05A) within the Studio M01A (05A) of Master academic studies is set as methodologically specific and by content autonomous research, based on contemporary changes in teaching approaches and directed towards developing different interests and preferences within students of architecture.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: 2	Exercises: /	OFL: /	
SRW: /			
Method of carrying out the teaching Teaching must include a combination of several various forms of work, such as ex-cathedra lectures, discussions, interactive teaching, case studies, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final paper/Portfolio	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – SEMINAR / STUDIO M05 A – SEMINAR -07			
Teacher(s): Associate Professor Ph.D. Aleksandar Č. Videnović			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions: Selection of the Seminar within the Study Unit STUDIO M01A (05A) depends on the selection of the Design Project within the same Study Unit.			
Subject goal Seminar M01A (05A) is conceived, due to the need to provide students with a balanced amount of diverse contemporary approaches to the subject of architectural and urban design, as an autonomous field of work in which, depending on the individual methodology of every particular studio, students have a high degree of freedom to choose and improve independent and individual working methods.			
Outcome of the subject The outcome of the Seminar within the Studio is set as research and theoretical part of work conducted through various methods and approaches to analytics made before and during the work on the development of the architectural and urban design. Conventional and experimental methods of work are materialized through a portfolio, the outcome of which is determined by the character of a study program. The student will have knowledge of: the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; the influence of history and theory on the spatial, social, and technological aspects of architecture; the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach. The graduate will have an understanding of: the needs and aspirations of building users; the impact of buildings on the environment, and the precepts of sustainable design; the way in which buildings fit in to their local context.			
Subject content The content of the subject Seminar M01A (05A) within the Studio M01A (05A) of Master academic studies is set as methodologically specific and by content autonomous research, based on contemporary changes in teaching approaches and directed towards developing different interests and preferences within students of architecture.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: 2	Exercises: /	OFL: /	
SRW: /			
Method of carrying out the teaching Teaching must include a combination of several various forms of work, such as ex-cathedra lectures, discussions, interactive teaching, case studies, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final paper/Portfolio	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – SEMINAR / STUDIO M05 A – SEMINAR -08			
Teacher(s): Associate Professor Nebojša S. Fotirić			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions: Selection of the Seminar within the Study Unit STUDIO M01A (05A) depends on the selection of the Design Project within the same Study Unit.			
Subject goal Seminar M01A (05A) is conceived, due to the need to provide students with a balanced amount of diverse contemporary approaches to the subject of architectural and urban design, as an autonomous field of work in which, depending on the individual methodology of every particular studio, students have a high degree of freedom to choose and improve independent and individual working methods.			
Outcome of the subject The outcome of the Seminar within the Studio is set as research and theoretical part of work conducted through various methods and approaches to analytics made before and during the work on the development of the architectural and urban design. Conventional and experimental methods of work are materialized through a portfolio, the outcome of which is determined by the character of a study program. The student will have knowledge of: the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; the influence of history and theory on the spatial, social, and technological aspects of architecture; the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach. The graduate will have an understanding of: the needs and aspirations of building users; the impact of buildings on the environment, and the precepts of sustainable design; the way in which buildings fit in to their local context.			
Subject content The content of the subject Seminar M01A (05A) within the Studio M01A (05A) of Master academic studies is set as methodologically specific and by content autonomous research, based on contemporary changes in teaching approaches and directed towards developing different interests and preferences within students of architecture.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: 2	Exercises: /	OFL: /	
SRW: /			
Method of carrying out the teaching Teaching must include a combination of several various forms of work, such as ex-cathedra lectures, discussions, interactive teaching, case studies, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final paper/Portfolio	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – SEMINAR / STUDIO M05 A – SEMINAR -09			
Teacher(s): Associate Professor Ph.D. Đorđe V. Stojanović			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions: Selection of the Seminar within the Study Unit STUDIO M01A (05A) depends on the selection of the Design Project within the same Study Unit.			
Subject goal Seminar M01A (05A) is conceived, due to the need to provide students with a balanced amount of diverse contemporary approaches to the subject of architectural and urban design, as an autonomous field of work in which, depending on the individual methodology of every particular studio, students have a high degree of freedom to choose and improve independent and individual working methods.			
Outcome of the subject The outcome of the Seminar within the Studio is set as research and theoretical part of work conducted through various methods and approaches to analytics made before and during the work on the development of the architectural and urban design. Conventional and experimental methods of work are materialized through a portfolio, the outcome of which is determined by the character of a study program. The student will have knowledge of: the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; the influence of history and theory on the spatial, social, and technological aspects of architecture; the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach. The graduate will have an understanding of: the needs and aspirations of building users; the impact of buildings on the environment, and the precepts of sustainable design; the way in which buildings fit in to their local context.			
Subject content The content of the subject Seminar M01A (05A) within the Studio M01A (05A) of Master academic studies is set as methodologically specific and by content autonomous research, based on contemporary changes in teaching approaches and directed towards developing different interests and preferences within students of architecture.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: 2	Exercises: /	OFL: /	
SRW: /			
Method of carrying out the teaching Teaching must include a combination of several various forms of work, such as ex-cathedra lectures, discussions, interactive teaching, case studies, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final paper/Portfolio	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – SEMINAR / STUDIO M05 A – SEMINAR -10			
Teacher(s): Assistant Professor Ph.D. Milan D. Maksimović			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions: Selection of the Seminar within the Study Unit STUDIO M01A (05A) depends on the selection of the Design Project within the same Study Unit.			
Subject goal Seminar M01A (05A) is conceived, due to the need to provide students with a balanced amount of diverse contemporary approaches to the subject of architectural and urban design, as an autonomous field of work in which, depending on the individual methodology of every particular studio, students have a high degree of freedom to choose and improve independent and individual working methods.			
Outcome of the subject The outcome of the Seminar within the Studio is set as research and theoretical part of work conducted through various methods and approaches to analytics made before and during the work on the development of the architectural and urban design. Conventional and experimental methods of work are materialized through a portfolio, the outcome of which is determined by the character of a study program. The student will have knowledge of: the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; the influence of history and theory on the spatial, social, and technological aspects of architecture; the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach. The graduate will have an understanding of: the needs and aspirations of building users; the impact of buildings on the environment, and the precepts of sustainable design; the way in which buildings fit in to their local context.			
Subject content The content of the subject Seminar M01A (05A) within the Studio M01A (05A) of Master academic studies is set as methodologically specific and by content autonomous research, based on contemporary changes in teaching approaches and directed towards developing different interests and preferences within students of architecture.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: 2	Exercises: /	OFL: /	
SRW: /			
Method of carrying out the teaching Teaching must include a combination of several various forms of work, such as ex-cathedra lectures, discussions, interactive teaching, case studies, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final paper/Portfolio	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M01 A – SEMINAR / STUDIO M05 A – SEMINAR -11			
Teacher(s): Assistant Professor Ph.D. Grozdana S. Šišović			
Status of the subject: Elective			
Number of ECTS credits: 2			
Conditions: Selection of the Seminar within the Study Unit STUDIO M01A (05A) depends on the selection of the Design Project within the same Study Unit.			
Subject goal Seminar M01A (05A) is conceived, due to the need to provide students with a balanced amount of diverse contemporary approaches to the subject of architectural and urban design, as an autonomous field of work in which, depending on the individual methodology of every particular studio, students have a high degree of freedom to choose and improve independent and individual working methods.			
Outcome of the subject The outcome of the Seminar within the Studio is set as research and theoretical part of work conducted through various methods and approaches to analytics made before and during the work on the development of the architectural and urban design. Conventional and experimental methods of work are materialized through a portfolio, the outcome of which is determined by the character of a study program. The student will have knowledge of: the cultural, social and intellectual histories, theories and technologies that influence the design of buildings; the influence of history and theory on the spatial, social, and technological aspects of architecture; the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach. The graduate will have an understanding of: the needs and aspirations of building users; the impact of buildings on the environment, and the precepts of sustainable design; the way in which buildings fit in to their local context.			
Subject content The content of the subject Seminar M01A (05A) within the Studio M01A (05A) of Master academic studies is set as methodologically specific and by content autonomous research, based on contemporary changes in teaching approaches and directed towards developing different interests and preferences within students of architecture.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: 2	Exercises: /	OFL: /	
SRW: /			
Method of carrying out the teaching Teaching must include a combination of several various forms of work, such as ex-cathedra lectures, discussions, interactive teaching, case studies, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Final paper/Portfolio	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M02A – DESIGN PROJECT - 01			
Teacher(s): Associate Professor Milan A. Đurić			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of context, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualization and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organization and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M02-A work is set as a complex design problem through which students individually develop a wider programme platform of reviewing of relations between the city and architecture. The scope of work includes multi-purpose urban centers which enable various interpretations and concepts of urban situations and phenomena. By studying the complexity of the functional, morphological and socio-cultural structure of the city, the student is able to create an architectural solution that evenly meets the conceptual, functional and structural requirements by applying contemporary architectural approaches and paradigms. The result of the work is a conceptual architectural-urban design that has its clearly recognizable research and application component, where the elements of the thematic areas and program bases on which the project relies are clearly identified. The relationship between the city and the architecture is determined urbanistically and typologically through the form of assemblages of diverse contents or self-contained multifunctional, hybrid and other entities that enable different models of use of public space according to the contemporary city life.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 9	
SRW: /			
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects and presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M02A – DESIGN PROJECT - 02			
Teacher(s): Associate Professor Aleksandru J. Vuja			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of context, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualization and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organization and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M02-A work is set as a complex design problem through which students individually develop a wider programme platform of reviewing of relations between the city and architecture. The scope of work includes multi-purpose urban centers which enable various interpretations and concepts of urban situations and phenomena. By studying the complexity of the functional, morphological and socio-cultural structure of the city, the student is able to create an architectural solution that evenly meets the conceptual, functional and structural requirements by applying contemporary architectural approaches and paradigms. The result of the work is a conceptual architectural-urban design that has its clearly recognizable research and application component, where the elements of the thematic areas and program bases on which the project relies are clearly identified. The relationship between the city and the architecture is determined urbanistically and typologically through the form of assemblages of diverse contents or self-contained multifunctional, hybrid and other entities that enable different models of use of public space according to the contemporary city life.			
Literature			
Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 9	
Method of carrying out the teaching			
Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects and presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M02A – DESIGN PROJECT - 03			
Teacher(s): Associate Professor Ph.D. Aleksandar Č. Videnović			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of context, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualization and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organization and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M02-A work is set as a complex design problem through which students individually develop a wider programme platform of reviewing of relations between the city and architecture. The scope of work includes multi-purpose urban centers which enable various interpretations and concepts of urban situations and phenomena. By studying the complexity of the functional, morphological and socio-cultural structure of the city, the student is able to create an architectural solution that evenly meets the conceptual, functional and structural requirements by applying contemporary architectural approaches and paradigms. The result of the work is a conceptual architectural-urban design that has its clearly recognizable research and application component, where the elements of the thematic areas and program bases on which the project relies are clearly identified. The relationship between the city and the architecture is determined urbanistically and typologically through the form of assemblages of diverse contents or self-contained multifunctional, hybrid and other entities that enable different models of use of public space according to the contemporary city life.			
Literature			
Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 9	
SRW: /			
Method of carrying out the teaching			
Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects and presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M02A – DESIGN PROJECT - 04			
Teacher(s): Associate Professor Nebojša S. Fotirić			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of context, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualization and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organization and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M02-A work is set as a complex design problem through which students individually develop a wider programme platform of reviewing of relations between the city and architecture. The scope of work includes multi-purpose urban centers which enable various interpretations and concepts of urban situations and phenomena. By studying the complexity of the functional, morphological and socio-cultural structure of the city, the student is able to create an architectural solution that evenly meets the conceptual, functional and structural requirements by applying contemporary architectural approaches and paradigms. The result of the work is a conceptual architectural-urban design that has its clearly recognizable research and application component, where the elements of the thematic areas and program bases on which the project relies are clearly identified. The relationship between the city and the architecture is determined urbanistically and typologically through the form of assemblages of diverse contents or self-contained multifunctional, hybrid and other entities that enable different models of use of public space according to the contemporary city life.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 9	
SRW: /			
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects and presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M02A – DESIGN PROJECT - 05			
Teacher(s): Associate Professor Igor Ž. Rajković			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of context, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualization and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organization and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M02-A work is set as a complex design problem through which students individually develop a wider programme platform of reviewing of relations between the city and architecture. The scope of work includes multi-purpose urban centers which enable various interpretations and concepts of urban situations and phenomena. By studying the complexity of the functional, morphological and socio-cultural structure of the city, the student is able to create an architectural solution that evenly meets the conceptual, functional and structural requirements by applying contemporary architectural approaches and paradigms. The result of the work is a conceptual architectural-urban design that has its clearly recognizable research and application component, where the elements of the thematic areas and program bases on which the project relies are clearly identified. The relationship between the city and the architecture is determined urbanistically and typologically through the form of assemblages of diverse contents or self-contained multifunctional, hybrid and other entities that enable different models of use of public space according to the contemporary city life.			
Literature			
Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 9	
SRW: /			
Method of carrying out the teaching			
Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects and presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M02A – DESIGN PROJECT - 06			
Teacher(s): Assistant Professor M. Sc. Zoran R. Abadić			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of context, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualization and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organization and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M02-A work is set as a complex design problem through which students individually develop a wider programme platform of reviewing of relations between the city and architecture. The scope of work includes multi-purpose urban centers which enable various interpretations and concepts of urban situations and phenomena. By studying the complexity of the functional, morphological and socio-cultural structure of the city, the student is able to create an architectural solution that evenly meets the conceptual, functional and structural requirements by applying contemporary architectural approaches and paradigms. The result of the work is a conceptual architectural-urban design that has its clearly recognizable research and application component, where the elements of the thematic areas and program bases on which the project relies are clearly identified. The relationship between the city and the architecture is determined urbanistically and typologically through the form of assemblages of diverse contents or self-contained multifunctional, hybrid and other entities that enable different models of use of public space according to the contemporary city life.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 9	
SRW: /			
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects and presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/ Integrated Academic Studies – Architecture			
Name of the subject: STUDIO M02A – DESIGN PROJECT - 07			
Teacher(s): Assistant Professor Ph.D. Milan D. Maksimović			
Status of the subject: Elective			
Number of ECTS credits: 15			
Conditions:			
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02A and M03A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.			
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to: prepare and present building design projects of diverse scale, complexity, and type in a variety of context, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualization and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organization and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.			
Subject content The content of Studio M02-A work is set as a complex design problem through which students individually develop a wider programme platform of reviewing of relations between the city and architecture. The scope of work includes multi-purpose urban centers which enable various interpretations and concepts of urban situations and phenomena. By studying the complexity of the functional, morphological and socio-cultural structure of the city, the student is able to create an architectural solution that evenly meets the conceptual, functional and structural requirements by applying contemporary architectural approaches and paradigms. The result of the work is a conceptual architectural-urban design that has its clearly recognizable research and application component, where the elements of the thematic areas and program bases on which the project relies are clearly identified. The relationship between the city and the architecture is determined urbanistically and typologically through the form of assemblages of diverse contents or self-contained multifunctional, hybrid and other entities that enable different models of use of public space according to the contemporary city life.			
Literature Literature will be specified according the given design brief out of the tables 10.3 and 10.4 and other sources.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 9	
SRW: /			
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects and presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture Module A/Integrated academic studies – Architecture				
Name of the subject: STUDIO M03A / STUDIO 07A - 01				
Teacher(s): member of SASA, Emeritus Professor Branislav B. Mitrović				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: /				
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02-A and M03-A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.				
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.				
Subject content The content of the Study M03A (07A) work is set, in the theoretical segment, as a methodologically specific, content-based autonomous research, based on contemporary models of teaching and aimed at developing different interests and preferences among architecture students. In the practical part, the work is designed as a complex recognition of architectural concepts, principles and theories and their appropriate application, adequate for the specific and complex programs for current social context. The course M03A (07A) is oriented towards theoretical abstraction and practical presentation of the basic elements and relationships in defining the concept design, as well as the skills necessary to understand the needs of users, regulations and investments. Understanding of the architectural space as a synthesis of conceptual ideas, develops the critical thinking, research skills, intellectual integrity, professional knowledge and skills that enable future generations of architects to grasp the effects of contemporary architecture on the environment.				
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.				
Number of active teaching classes				Other:
Lectures: 1	Exercises: /	OFL: 6	SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	30	Studio portfolio and design presentation review	60	
Seminar(s)				

Study program: Master academic studies – Architecture Module A/Integrated academic studies – Architecture				
Name of the subject: STUDIO M03A / STUDIO 07A - 02				
Teacher(s): Professor Vladimir M. Lojanica				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: /				
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02-A and M03-A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.				
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.				
Subject content The content of the Study M03A (07A) work is set, in the theoretical segment, as a methodologically specific, content-based autonomous research, based on contemporary models of teaching and aimed at developing different interests and preferences among architecture students. In the practical part, the work is designed as a complex recognition of architectural concepts, principles and theories and their appropriate application, adequate for the specific and complex programs for current social context. The course M03A (07A) is oriented towards theoretical abstraction and practical presentation of the basic elements and relationships in defining the concept design, as well as the skills necessary to understand the needs of users, regulations and investments. Understanding of the architectural space as a synthesis of conceptual ideas, develops the critical thinking, research skills, intellectual integrity, professional knowledge and skills that enable future generations of architects to grasp the effects of contemporary architecture on the environment.				
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.				
Number of active teaching classes				Other:
Lectures: 1	Exercises: /	OFL: 6	SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	30	Studio portfolio and design presentation review	60	
Seminar(s)				

Study program: Master academic studies – Architecture Module A/Integrated academic studies – Architecture				
Name of the subject: STUDIO M03A / STUDIO 07A - 03				
Teacher(s): Professor Dejan R. Miljković				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: /				
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02-A and M03-A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.				
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.				
Subject content The content of the Study M03A (07A) work is set, in the theoretical segment, as a methodologically specific, content-based autonomous research, based on contemporary models of teaching and aimed at developing different interests and preferences among architecture students. In the practical part, the work is designed as a complex recognition of architectural concepts, principles and theories and their appropriate application, adequate for the specific and complex programs for current social context. The course M03A (07A) is oriented towards theoretical abstraction and practical presentation of the basic elements and relationships in defining the concept design, as well as the skills necessary to understand the needs of users, regulations and investments. Understanding of the architectural space as a synthesis of conceptual ideas, develops the critical thinking, research skills, intellectual integrity, professional knowledge and skills that enable future generations of architects to grasp the effects of contemporary architecture on the environment.				
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.				
Number of active teaching classes				Other:
Lectures: 1	Exercises: /	OFL: 6	SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	30	Studio portfolio and design presentation review	60	
Seminar(s)				

Study program: Master academic studies – Architecture Module A/Integrated academic studies – Architecture				
Name of the subject: STUDIO M03A / STUDIO 07A - 04				
Teacher(s): Professor M. Sc. Milan M. Vujović				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: /				
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02-A and M03-A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.				
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.				
Subject content The content of the Study M03A (07A) work is set, in the theoretical segment, as a methodologically specific, content-based autonomous research, based on contemporary models of teaching and aimed at developing different interests and preferences among architecture students. In the practical part, the work is designed as a complex recognition of architectural concepts, principles and theories and their appropriate application, adequate for the specific and complex programs for current social context. The course M03A (07A) is oriented towards theoretical abstraction and practical presentation of the basic elements and relationships in defining the concept design, as well as the skills necessary to understand the needs of users, regulations and investments. Understanding of the architectural space as a synthesis of conceptual ideas, develops the critical thinking, research skills, intellectual integrity, professional knowledge and skills that enable future generations of architects to grasp the effects of contemporary architecture on the environment.				
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.				
Number of active teaching classes				Other:
Lectures: 1	Exercises: /	OFL: 6	SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	30	Studio portfolio and design presentation review	60	
Seminar(s)				

Study program: Master academic studies – Architecture Module A/Integrated academic studies – Architecture				
Name of the subject: STUDIO M03A / STUDIO 07A - 05				
Teacher(s): Professor Borislav A. Petrović				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: /				
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02-A and M03-A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.				
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.				
Subject content The content of the Study M03A (07A) work is set, in the theoretical segment, as a methodologically specific, content-based autonomous research, based on contemporary models of teaching and aimed at developing different interests and preferences among architecture students. In the practical part, the work is designed as a complex recognition of architectural concepts, principles and theories and their appropriate application, adequate for the specific and complex programs for current social context. The course M03A (07A) is oriented towards theoretical abstraction and practical presentation of the basic elements and relationships in defining the concept design, as well as the skills necessary to understand the needs of users, regulations and investments. Understanding of the architectural space as a synthesis of conceptual ideas, develops the critical thinking, research skills, intellectual integrity, professional knowledge and skills that enable future generations of architects to grasp the effects of contemporary architecture on the environment.				
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.				
Number of active teaching classes				Other:
Lectures: 1	Exercises: /	OFL: 6	SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	30	Studio portfolio and design presentation review	60	
Seminar(s)				

Study program: Master academic studies – Architecture Module A/Integrated academic studies – Architecture				
Name of the subject: STUDIO M03A / STUDIO 07A - 06				
Teacher(s): Professor Goran B. Vojvodić				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: /				
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02-A and M03-A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.				
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.				
Subject content The content of the Study M03A (07A) work is set, in the theoretical segment, as a methodologically specific, content-based autonomous research, based on contemporary models of teaching and aimed at developing different interests and preferences among architecture students. In the practical part, the work is designed as a complex recognition of architectural concepts, principles and theories and their appropriate application, adequate for the specific and complex programs for current social context. The course M03A (07A) is oriented towards theoretical abstraction and practical presentation of the basic elements and relationships in defining the concept design, as well as the skills necessary to understand the needs of users, regulations and investments. Understanding of the architectural space as a synthesis of conceptual ideas, develops the critical thinking, research skills, intellectual integrity, professional knowledge and skills that enable future generations of architects to grasp the effects of contemporary architecture on the environment.				
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.				
Number of active teaching classes				Other:
Lectures: 1	Exercises: /	OFL: 6	SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	30	Studio portfolio and design presentation review	60	
Seminar(s)				

Study program: Master academic studies – Architecture Module A/Integrated academic studies – Architecture				
Name of the subject: STUDIO M03A / STUDIO 07A - 07				
Teacher(s): Associate Professor Ph.D. Dragana M. Vasiljević Tomić				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: /				
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02-A and M03-A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.				
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.				
Subject content The content of the Study M03A (07A) work is set, in the theoretical segment, as a methodologically specific, content-based autonomous research, based on contemporary models of teaching and aimed at developing different interests and preferences among architecture students. In the practical part, the work is designed as a complex recognition of architectural concepts, principles and theories and their appropriate application, adequate for the specific and complex programs for current social context. The course M03A (07A) is oriented towards theoretical abstraction and practical presentation of the basic elements and relationships in defining the concept design, as well as the skills necessary to understand the needs of users, regulations and investments. Understanding of the architectural space as a synthesis of conceptual ideas, develops the critical thinking, research skills, intellectual integrity, professional knowledge and skills that enable future generations of architects to grasp the effects of contemporary architecture on the environment.				
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.				
Number of active teaching classes				Other:
Lectures: 1	Exercises: /	OFL: 6	SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	30	Studio portfolio and design presentation review	60	
Seminar(s)				

Study program: Master academic studies – Architecture Module A/Integrated academic studies – Architecture				
Name of the subject: STUDIO M03A / STUDIO 07A - 08				
Teacher(s): Associate Professor Dejan D. Miletić				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: /				
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02-A and M03-A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.				
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.				
Subject content The content of the Study M03A (07A) work is set, in the theoretical segment, as a methodologically specific, content-based autonomous research, based on contemporary models of teaching and aimed at developing different interests and preferences among architecture students. In the practical part, the work is designed as a complex recognition of architectural concepts, principles and theories and their appropriate application, adequate for the specific and complex programs for current social context. The course M03A (07A) is oriented towards theoretical abstraction and practical presentation of the basic elements and relationships in defining the concept design, as well as the skills necessary to understand the needs of users, regulations and investments. Understanding of the architectural space as a synthesis of conceptual ideas, develops the critical thinking, research skills, intellectual integrity, professional knowledge and skills that enable future generations of architects to grasp the effects of contemporary architecture on the environment.				
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.				
Number of active teaching classes				Other:
Lectures: 1	Exercises: /	OFL: 6	SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	30	Studio portfolio and design presentation review	60	
Seminar(s)				

Study program: Master academic studies – Architecture Module A/Integrated academic studies – Architecture				
Name of the subject: STUDIO M03A / STUDIO 07A - 09				
Teacher(s): Associate Professor Milan A. Đurić				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: /				
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02-A and M03-A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.				
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.				
Subject content The content of the Study M03A (07A) work is set, in the theoretical segment, as a methodologically specific, content-based autonomous research, based on contemporary models of teaching and aimed at developing different interests and preferences among architecture students. In the practical part, the work is designed as a complex recognition of architectural concepts, principles and theories and their appropriate application, adequate for the specific and complex programs for current social context. The course M03A (07A) is oriented towards theoretical abstraction and practical presentation of the basic elements and relationships in defining the concept design, as well as the skills necessary to understand the needs of users, regulations and investments. Understanding of the architectural space as a synthesis of conceptual ideas, develops the critical thinking, research skills, intellectual integrity, professional knowledge and skills that enable future generations of architects to grasp the effects of contemporary architecture on the environment.				
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.				
Number of active teaching classes				Other:
Lectures: 1	Exercises: /	OFL: 6	SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	30	Studio portfolio and design presentation review	60	
Seminar(s)				

Study program: Master academic studies – Architecture Module A/Integrated academic studies – Architecture				
Name of the subject: STUDIO M03A / STUDIO 07A - 10				
Teacher(s): Associate Professor Aleksandru J. Vuja				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: /				
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02-A and M03-A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.				
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.				
Subject content The content of the Study M03A (07A) work is set, in the theoretical segment, as a methodologically specific, content-based autonomous research, based on contemporary models of teaching and aimed at developing different interests and preferences among architecture students. In the practical part, the work is designed as a complex recognition of architectural concepts, principles and theories and their appropriate application, adequate for the specific and complex programs for current social context. The course M03A (07A) is oriented towards theoretical abstraction and practical presentation of the basic elements and relationships in defining the concept design, as well as the skills necessary to understand the needs of users, regulations and investments. Understanding of the architectural space as a synthesis of conceptual ideas, develops the critical thinking, research skills, intellectual integrity, professional knowledge and skills that enable future generations of architects to grasp the effects of contemporary architecture on the environment.				
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.				
Number of active teaching classes				Other:
Lectures: 1	Exercises: /	OFL: 6	SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	30	Studio portfolio and design presentation review	60	
Seminar(s)				

Study program: Master academic studies – Architecture Module A/Integrated academic studies – Architecture				
Name of the subject: STUDIO M03A / STUDIO 07A - 11				
Teacher(s): Associate Professor Ph.D. Ana Z. Nikezić				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: /				
Subject goal The bases for work in courses of Master academic studies are set through the balance of knowledge gained in Studios M01-A (05A), M02-A and M03-A (07A) which altogether cover the diversity of contemporary and innovative approaches to architectural and urban design. Work in the studio includes insight in other expert knowledge in the domain of urbanism and technologies, as well as knowledge of other scientific disciplines. All means are used to form a complex intellectual ground that enables understanding of the contemporary society needs. Processing of more complex architectural assignment every semester encourages comprehensive thinking of students through their practical and theoretical response to the complexity of urban surroundings.				
Outcome of the subject The theoretical part of the work includes two main components: research and experiment put in practice through conventional and experimental methods of work that result with the elaborate which is determined by the character of the study program. The focus of theoretical work is within the Studio seminar. The practical part of the work is in the form of architectural design: a pre-concept architectural and urban design with elements of preliminary design (concept design) that should present a convincing concept and provide practical skills in the domain of architectural and urban design. The student will have the ability to prepare and present building design projects of diverse scale, complexity, and type in a variety of contexts, using a range of media, and in response to a brief; understand the constructional and structural systems, the environmental strategies and the regulatory requirements that apply to the design and construction of a comprehensive design project; develop a conceptual and critical approach to architectural design that integrates and satisfies the aesthetic aspects of a building and the technical requirements of its construction and the needs of the user. The student will have knowledge of: the application of appropriate theoretical concepts to studio design projects, demonstrating a reflective and critical approach; the creative application of the fine arts and their relevance and impact on architecture, in terms of their conceptualisation and representation. The student will have an understanding of: the need to critically review precedents relevant to the function, organisation and technological strategy of design proposals; the need to appraise and prepare building briefs of diverse scales and types, to define client and user requirements and their appropriateness to site and context; the contributions of architects and co-professionals to the formulation of the brief, and the methods of investigation used in its preparation proposals.				
Subject content The content of the Study M03A (07A) work is set, in the theoretical segment, as a methodologically specific, content-based autonomous research, based on contemporary models of teaching and aimed at developing different interests and preferences among architecture students. In the practical part, the work is designed as a complex recognition of architectural concepts, principles and theories and their appropriate application, adequate for the specific and complex programs for current social context. The course M03A (07A) is oriented towards theoretical abstraction and practical presentation of the basic elements and relationships in defining the concept design, as well as the skills necessary to understand the needs of users, regulations and investments. Understanding of the architectural space as a synthesis of conceptual ideas, develops the critical thinking, research skills, intellectual integrity, professional knowledge and skills that enable future generations of architects to grasp the effects of contemporary architecture on the environment.				
Literature The literature will be specified according to the specific topic of the studio design from Tables 10.3 and 10.4 and other sources.				
Number of active teaching classes				Other:
Lectures: 1	Exercises: /	OFL: 6	SRW: /	
Method of carrying out the teaching Teaching must include combination of several various forms of work such as interactive teaching, case studies, individual and group projects, research projects, presentations.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam		
Practical teaching		Oral exam		
colloquium	30	Studio portfolio and design presentation review	60	
Seminar(s)				

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -01			
Teacher(s): member of SASA, Emeritus Professor Branislav B. Mitrović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -02			
Teacher(s): Professor Goran B. Vojvodić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -03			
Teacher(s): Professor M. Sc. Milan M. Vujović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -04			
Teacher(s): Professor Vladimir M. Lojanica			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -05			
Teacher(s): Professor Dejan R. Miljković			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -06			
Teacher(s): Professor Borislav A. Petrović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -07			
Teacher(s): Professor Ivan V. Rašković			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -08			
Teacher(s): Professor Vesna P. Cagić Milošević			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -09			
Teacher(s): Associate Professor Ph.D. Dragana M. Vasiljević Tomić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -10			
Teacher(s): Associate Professor Ph.D. Aleksandar Č. Videnović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -11			
Teacher(s): Associate Professor Aleksandru J. Vuja			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -12			
Teacher(s): Associate Professor Milan A. Đurić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -13			
Teacher(s): Associate Professor Ph.D. Vladimir B. Milenković			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -14			
Teacher(s): Associate Professor Dejan D. Miletić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -15			
Teacher(s): Associate Professor Ph.D. Ana Z. Nikezić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_ Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -16			
Teacher(s): Associate Professor Igor Ž. Rajković			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -17			
Teacher(s): Associate Professor Ph.D. Đorđe V. Stojanović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -18			
Teacher(s): Associate Professor Nebojša S. Fotirić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -19			
Teacher(s): Assistant Professor M. Sc. Zoran R. Abadić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -20			
Teacher(s): Assistant Professor Miloš M. Komlenić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -21			
Teacher(s): Assistant Professor Ph.D. Verica M. Krstić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -22			
Teacher(s): Assistant Professor Ph.D. Marija R. Milinković			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -23			
Teacher(s): Assistant Professor Miloš M. Nenadović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -24			
Teacher(s): Assistant Professor Dragan B. Stamenović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -25			
Teacher(s): Assistant Professor Ph.D. Pavle D. Stamenović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -26			
Teacher(s): Assistant Professor Ph.D. Jelena P. Ristić Trajković			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: THEMATIC RESEARCH A -27			
Teacher(s): Assistant Professor Ph.D. Grozdana S. Šišović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture, consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic research represents focused individual research at the highest level of complexity, within the master academic studies, which involves research and processing of general and specific topics within the given thematic framework. Using interpretive, qualitative, experimental case studies and simulations, as well as other research strategies, the student forms a corpus of information and data needed to work on the Master Thesis and the Master Design Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Final Project.</p>			
Outcome of the subject <p>The outcome is the formulation of the research subject, research problem, and definition of the research topic – as a preparation for the work on Master Thesis, Master Design Project and Master Final Project.</p>			
Subject content <p><i>Theory and Practical learning</i></p> <p>Through a combination of lectures and interactive teaching, students are guided to formulate individual research topics. Teaching provides improvement of skills and knowledge on contemporary architectural research methods, theoretical and research through design methods. Provides the focused thematic framework, correlates individual topics with research goals, and links them further to practical work in the design studio.</p> <p>Independent individual research includes work on relevant and necessary literature, exploration of contextual and historical facts as well as contemporary corresponding contents, functions, models and architectural artefacts.</p>			
Literature <p>Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.</p>			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: /	OFL: /	
SRW: 4			
Method of carrying out the teaching <p>Lectures, interactive teaching, individual student research work.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium		.....
Seminar(s)			Passed

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -01			
Teacher(s): member of SASA, Emeritus Professor Branislav B. Mitrović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -02			
Teacher(s): Professor Goran B. Vojvodić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -03			
Teacher(s): Professor M. Sc. Milan M. Vujović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -04			
Teacher(s): Professor Vladimir M. Lojanica			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -05			
Teacher(s): Professor Dejan R. Miljković			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -06			
Teacher(s): Professor Borislav A. Petrović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -07			
Teacher(s): Professor Ivan V. Rašković			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -08			
Teacher(s): Professor Vesna P. Cagić Milošević			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -09			
Teacher(s): Associate Professor Ph.D. Dragana M. Vasiljević Tomić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -10			
Teacher(s): Associate Professor Ph.D. Aleksandar Č. Videnović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -11			
Teacher(s): Associate Professor Aleksandru J. Vuja			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -12			
Teacher(s): Associate Professor Milan A. Đurić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -13			
Teacher(s): Associate Professor Ph.D. Vladimir B. Milenković			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2		SRW: 4
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -14			
Teacher(s): Associate Professor Dejan D. Miletić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -15			
Teacher(s): Associate Professor Ph.D. Ana Z. Nikezić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -16			
Teacher(s): Associate Professor Igor Ž. Rajković			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -17			
Teacher(s): Associate Professor Ph.D. Đorđe V. Stojanović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -18			
Teacher(s): Associate Professor Nebojša S. Fotirić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -19			
Teacher(s): Assistant Professor M. Sc. Zoran R. Abadić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -20			
Teacher(s): Assistant Professor Miloš M. Komlenić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -21			
Teacher(s): Assistant Professor Ph.D. Verica M. Krstić			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -22			
Teacher(s): Assistant Professor Ph.D. Marija R. Milinković			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -23			
Teacher(s): Assistant Professor Miloš M. Nenadović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -24			
Teacher(s): Assistant Professor Dragan B. Stamenović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -25			
Teacher(s): Assistant Professor Ph.D. Pavle D. Stamenović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -26			
Teacher(s): Assistant Professor Ph.D. Jelena P. Ristić Trajković			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies – Architecture			
Name of the subject: MASTER THESIS A -27			
Teacher(s): Assistant Professor Ph.D. Grozdana S. Šišović			
Status of the subject: Elective			
Number of ECTS credits: 5			
Conditions: The choice of the subject Master Thesis - A depends on the selected subject Thematic research - A. Confirmed Thematic research.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies – Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Thesis is based on Thematic research, and represents a continuation of the research at the highest level of complexity within Master academic study, that involves an investigation of the context and analysis of all specific aspects of the assignment; drafting the programmatic structure and thesis structure, the formulation the design brief and thematic scope of the project, as preconditions for the designing phase, followed by the insight into contemporary discourse tendencies, as well as by a critical consideration of the local conditions, and environment on a local and general level.			
Outcome of the subject Preparation for the design phase, for the work on the research by design and Final Project and completion of the Master Thesis.			
Subject content Affirmation of the topic set out in the Thematic research, formulation and elaboration of the thesis, through the definition of the design topic and design program.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 2	
SRW: 4			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public master thesis defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -01			
Teacher(s): member of SASA, Emeritus Professor Branislav B. Mitrović			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4 SRW: 10	
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -02			
Teacher(s): Professor Goran B. Vojvodić			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -03			
Teacher(s): Professor M. Sc. Milan M. Vujović			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -04			
Teacher(s): Professor Vladimir M. Lojanica			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4 SRW: 10	
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -05			
Teacher(s): Professor Dejan R. Miljković			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -06			
Teacher(s): Professor Borislav A. Petrović			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -07			
Teacher(s): Professor Ivan V. Rašković			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4 SRW: 10	
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -08			
Teacher(s): Professor Vesna P. Cagić Milošević			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -09			
Teacher(s): Associate Professor Ph.D. Dragana M. Vasiljević Tomić			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -10			
Teacher(s): Associate Professor Ph.D. Aleksandar Č. Videnović			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -11			
Teacher(s): Associate Professor Aleksandru J. Vuja			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -12			
Teacher(s): Associate Professor Milan A. Đurić			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4 SRW: 10	
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -13			
Teacher(s): Associate Professor Ph.D. Vladimir B. Milenković			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4 SRW: 10	
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -14			
Teacher(s): Associate Professor Dejan D. Miletić			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -15			
Teacher(s): Associate Professor Ph.D. Ana Z. Nikezić			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -16			
Teacher(s): Associate Professor Igor Ž. Rajković			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -17			
Teacher(s): Associate Professor Ph.D. Đorđe V. Stojanović			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4 SRW: 10	
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -18			
Teacher(s): Associate Professor Nebojša S. Fotirić			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4 SRW: 10	
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -19			
Teacher(s): Assistant Professor M. Sc. Zoran R. Abadić			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -20			
Teacher(s): Assistant Professor Miloš M. Komlenić			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -21			
Teacher(s): Assistant Professor Ph.D. Verica M. Krstić			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -22			
Teacher(s): Assistant Professor Ph.D. Marija R. Milinković			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -23			
Teacher(s): Assistant Professor Miloš M. Nenadović			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -24			
Teacher(s): Assistant Professor Dragan B. Stamenović			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -25			
Teacher(s): Assistant Professor Ph.D. Pavle D. Stamenović			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4SRW: 10	
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -26			
Teacher(s): Assistant Professor Ph.D. Jelena P. Ristić Trajković			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies - Architecture_Module A/ Integrated Academic Studies - Architecture			
Name of the subject: MASTER DESIGN PROJECT A -27			
Teacher(s): Assistant Professor Ph.D. Grozdana S. Šišović			
Status of the subject: Elective			
Number of ECTS credits: 12			
Conditions: Selection of the subject Master design project A, depends on the selected subject Thematic research A and Master Thesis A.			
Subject goal The final part of the Master's academic studies Architecture_Modul A / Integrated Academic Studies - Architecture consists of four sections: Thematic Research, Master Thesis, Master Design Project and Master Final Project. Working within the framework of thematic research, thesis, design project, and final project, through the processes of research, formulation, conception, and development of the project, the student independently combines all the gained knowledge and skills, manages the process of research, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level within Master academic studies with a clearly recognizable research component: research through the formulation of basic research questions, research and development of design methods in correlation to Master Thesis as analytical and generical studies of space with public review of the concepts.			
Outcome of the subject The result of the research by design phase – formulation of the design conception – preparation for the production of the Final Project.			
Subject content Research by design, modeling, form-finding and structuring the program and design concept. Studying the relevant and essential literature, forming analytical and generical research models.			
Literature Literature recommended by mentors. Literature suggested by the student and accepted by the mentor. Literature suggested by theory course teachers. Scientific research methodology.			
Number of active teaching classes			Other:
Lectures: /	Exercises: /	OFL: 4	
SRW: 10			
Method of carrying out the teaching Teaching is conducted through interactive forms of teaching, student research work and mentoring. Public Master Design Project defense with the mentoring committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Final studio portfolio	50
Practical teaching	30	Design Presentation Review	10
colloquium	10	.....
Seminar(s)			

ELECTIVE COURSES - Module U

Module URBANISM - A SUSTAINABLE CITY

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture				
Name of the subject: THEMATIC RESEARCH U - 01				
Teachers: Ph.D. Eva J. Vaništa Lazarević, Professor				
Status of the subject: elective				
Number of ECTS credits: 5				
Conditions: /				
Subject goal The final part of the Master Academic Studies program - Architecture_Module U / Integrated Academic Studies - Architecture consists of four sections: Thematic research, Master Thesis, Master Design Project, and The Master Final Project. Working through thematic research, thesis, Project, and final Project, students follow the process of research, formulation, conception, and development of the Project. Students independently perform the study, conceptualization, design, and materialization of complex architectural and urban units. Thematic Research is directed individual research at the highest and most complex level of the master level of study, which involves the study and processing of general and specific topics under the thematic framework. Using interpretive, qualitative, experimental, simulation, case studies as well as other research strategies, the student form a corpus of information and data needed to work on the Master thesis and the Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Master Final Project.				
Outcome of the subject Formulation of the subject of work, research problem, and defining the topic - preparation for work on Master thesis, Master design project, and Master final Project.				
Subject content <i>Theoretical / practical teaching</i> Through a combination of lectures and interactive teaching, students are directed to formulate individual research topics. Teaching the course enhances the skills and knowledge of contemporary architectural research methods, theoretical and research methods through design, defines the thematic framework more closely, aligns individual topics with research goals, and links them to work on a practical task. Independent research work includes work on necessary relevant and referent literature, exploration of contextual and historical facts as well as contemporary analog content, functions, models, and architectural artifacts.				
Literature: The literature recommended by the mentor The literature suggested by the student and accepted by the mentor The literature suggested by the teacher of the theory course Scientific research methodology				
Number of active teaching classes				Other: 0
Lectures: 2	Exercises: 0	OFL: 0	SRW: 4	
Method of carrying out the teaching Lectures, interactive teaching, study research work of students				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points	Final exam	total points	
activity during lectures		exam		
colloquium(s)		finished		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture			
Name of the subject: THEMATIC RESEARCH U - 02			
Teachers: Ph.D. Vladan A. Đokić, Professor			
Status of the subject: elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master Academic Studies program - Architecture_Module U / Integrated Academic Studies - Architecture consists of four sections: Thematic research, Master Thesis, Master Design Project, and The Master Final Project. Working through thematic research, thesis, Project, and final Project, students follow the process of research, formulation, conception, and development of the Project. Students independently perform the study, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Thematic Research is directed individual research at the highest and most complex level of the master level of study, which involves the study and processing of general and specific topics under the thematic framework. Using interpretive, qualitative, experimental, simulation, case studies as well as other research strategies, the student form a corpus of information and data needed to work on the Master thesis and the Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Master Final Project.</p>			
Outcome of the subject <p>Formulation of the subject of work, research problem, and defining the topic - preparation for work on Master thesis, Master design project, and Master final Project.</p>			
Subject content <i>Theoretical / practical teaching</i> <p>Through a combination of lectures and interactive teaching, students are directed to formulate individual research topics. Teaching the course enhances the skills and knowledge of contemporary architectural research methods, theoretical and research methods through design, defines the thematic framework more closely, aligns individual topics with research goals, and links them to work on a practical task.</p> <p>Independent research work includes work on necessary relevant and referent literature, exploration of contextual and historical facts as well as contemporary analog content, functions, models, and architectural artifacts.</p>			
Literature: <p>The literature recommended by the mentor</p> <p>The literature suggested by the student and accepted by the mentor</p> <p>The literature suggested by the teacher of the theory course</p> <p>Scientific research methodology</p>			
Number of active teaching classes			Other: 0
Lectures: 2	Exercises: 0	OFL: 0	
Method of carrying out the teaching			
Lectures, interactive teaching, study research work of students			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	total points	Final exam	total points
activity during lectures		exam	
colloquium(s)			finished

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture				
Name of the subject: THEMATIC RESEARCH U - 03				
Teachers: Ph.D. Aleksandra B. Stupar, Associate Professor				
Status of the subject: elective				
Number of ECTS credits: 5				
Conditions: /				
Subject goal The final part of the Master Academic Studies program - Architecture_Module U / Integrated Academic Studies - Architecture consists of four sections: Thematic research, Master Thesis, Master Design Project, and The Master Final Project. Working through thematic research, thesis, Project, and final Project, students follow the process of research, formulation, conception, and development of the Project. Students independently perform the study, conceptualization, design, and materialization of complex architectural and urban units. Thematic Research is directed individual research at the highest and most complex level of the master level of study, which involves the study and processing of general and specific topics under the thematic framework. Using interpretive, qualitative, experimental, simulation, case studies as well as other research strategies, the student form a corpus of information and data needed to work on the Master thesis and the Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Master Final Project.				
Outcome of the subject Formulation of the subject of work, research problem, and defining the topic - preparation for work on Master thesis, Master design project, and Master final Project.				
Subject content <i>Theoretical / practical teaching</i> Through a combination of lectures and interactive teaching, students are directed to formulate individual research topics. Teaching the course enhances the skills and knowledge of contemporary architectural research methods, theoretical and research methods through design, defines the thematic framework more closely, aligns individual topics with research goals, and links them to work on a practical task. Independent research work includes work on necessary relevant and referent literature, exploration of contextual and historical facts as well as contemporary analog content, functions, models, and architectural artifacts.				
Literature: The literature recommended by the mentor The literature suggested by the student and accepted by the mentor The literature suggested by the teacher of the theory course Scientific research methodology				
Number of active teaching classes				Other: 0
Lectures: 2	Exercises: 0	OFL: 0	SRW: 4	
Method of carrying out the teaching Lectures, interactive teaching, study research work of students				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points	Final exam	total points	
activity during lectures		exam		
colloquium(s)		finished		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture				
Name of the subject: THEMATIC RESEARCH U - 04				
Teachers: Ph.D. Aleksandra M. Đukić, Associate Professor				
Status of the subject: elective				
Number of ECTS credits: 5				
Conditions: /				
Subject goal The final part of the Master Academic Studies program - Architecture_Module U / Integrated Academic Studies - Architecture consists of four sections: Thematic research, Master Thesis, Master Design Project, and The Master Final Project. Working through thematic research, thesis, Project, and final Project, students follow the process of research, formulation, conception, and development of the Project. Students independently perform the study, conceptualization, design, and materialization of complex architectural and urban units. Thematic Research is directed individual research at the highest and most complex level of the master level of study, which involves the study and processing of general and specific topics under the thematic framework. Using interpretive, qualitative, experimental, simulation, case studies as well as other research strategies, the student form a corpus of information and data needed to work on the Master thesis and the Project. Work on thematic research aims to stimulate and enhance students' research potentials and provide the knowledge needed to further work on the Master Final Project.				
Outcome of the subject Formulation of the subject of work, research problem, and defining the topic - preparation for work on Master thesis, Master design project, and Master final Project.				
Subject content <i>Theoretical / practical teaching</i> Through a combination of lectures and interactive teaching, students are directed to formulate individual research topics. Teaching the course enhances the skills and knowledge of contemporary architectural research methods, theoretical and research methods through design, defines the thematic framework more closely, aligns individual topics with research goals, and links them to work on a practical task. Independent research work includes work on necessary relevant and referent literature, exploration of contextual and historical facts as well as contemporary analog content, functions, models, and architectural artifacts.				
Literature: The literature recommended by the mentor The literature suggested by the student and accepted by the mentor The literature suggested by the teacher of the theory course Scientific research methodology				
Number of active teaching classes				Other: 0
Lectures: 2	Exercises: 0	OFL: 0	SRW: 4	
Method of carrying out the teaching Lectures, interactive teaching, study research work of students				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points	Final exam	total points	
activity during lectures		exam		
colloquium(s)		finished		

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture				
Name of the subject: MASTER THESIS U - 01				
Teachers: Ph.D. Eva J. Vaništa Lazarević, Professor				
Status of the subject: elective				
Number of ECTS credits: 5				
Conditions: The choice of the subject Master thesis U, depends on the selected subject Thematic research U. Confirmed Thematic research U.				
Subject goal The final part of the Master Academic Studies program - Architecture_Module U / Integrated Academic Studies - Architecture consists of four sections: Thematic research, Master thesis, Master design project, and the Master final project. Working through thematic research, thesis, project, and final project, students follow the process of research, formulation, conception, and development of the project. Students independently manage the research, conceptualization, design, and materialization of complex architectural and urban units, using all the acquired knowledge and skills. Master thesis U, based on Thematic research U, is a continuation of research at the highest and most complex level of Master's study level. It involves exploring the context, and processing all specific aspects of the assignment, establishing the program structure and thesis of the project. Then, through clearly defining the project tasks and project topics based student can start designing the project with insight into contemporary tendencies in architecture, as well as a critical attitude towards the local environment and the context in general.				
Outcome of the subject Preparation for work on the project, formation of the thesis of the Master design project, and the Master final project.				
Subject content Affirmation of the topic set out in the Thematic research U, formulation, and elaboration of the thesis by defining the project thesis and project program.				
Literature: The literature recommended by the mentor The literature suggested by the student and accepted by the mentor The literature suggested by the teacher of the theory course Scientific research methodology				
Number of active teaching classes				Other: 0
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	
Method of carrying out the teaching Classes are realized through interactive forms of teaching, student research work, and mentoring work. Oral public defense of the Master thesis U before the commission				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 40	Final exam	total points 60	
practical work	30	Study	50	
colloquium(s)	10	Oral presentation	10	

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture				
Name of the subject: MASTER THESIS U - 02				
Teachers: Ph.D. Vladan A. Đokić, Professor				
Status of the subject: elective				
Number of ECTS credits: 5				
Conditions: The choice of the subject Master thesis U, depends on the selected subject Thematic research U. Confirmed Thematic research U.				
Subject goal				
<p>The final part of the Master Academic Studies program - Architecture_Module U / Integrated Academic Studies - Architecture consists of four sections: Thematic research, Master thesis, Master design project, and the Master final project. Working through thematic research, thesis, project, and final project, students follow the process of research, formulation, conception, and development of the project. Students independently manage the research, conceptualization, design, and materialization of complex architectural and urban units, using all the acquired knowledge and skills.</p> <p>Master thesis U, based on Thematic research U, is a continuation of research at the highest and most complex level of Master's study level. It involves exploring the context, and processing all specific aspects of the assignment, establishing the program structure and thesis of the project. Then, through clearly defining the project tasks and project topics based student can start designing the project with insight into contemporary tendencies in architecture, as well as a critical attitude towards the local environment and the context in general.</p>				
Outcome of the subject				
Preparation for work on the project, formation of the thesis of the Master design project, and the Master final project.				
Subject content				
Affirmation of the topic set out in the Thematic research U, formulation, and elaboration of the thesis by defining the project thesis and project program.				
Literature:				
The literature recommended by the mentor				
The literature suggested by the student and accepted by the mentor				
The literature suggested by the teacher of the theory course				
Scientific research methodology				
Number of active teaching classes				Other: 0
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	
Method of carrying out the teaching				
Classes are realized through interactive forms of teaching, student research work, and mentoring work.				
Oral public defense of the Master thesis U before the commission				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 40	Final exam	total points 60	
practical work	30	Study	50	
colloquium(s)	10	Oral presentation	10	

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture				
Name of the subject: MASTER THESIS U - 03				
Teachers: Ph.D. Aleksandra B. Stupar, Associate Professor				
Status of the subject: elective				
Number of ECTS credits: 5				
Conditions: The choice of the subject Master thesis U, depends on the selected subject Thematic research U. Confirmed Thematic research U.				
Subject goal The final part of the Master Academic Studies program - Architecture_Module U / Integrated Academic Studies - Architecture consists of four sections: Thematic research, Master thesis, Master design project, and the Master final project. Working through thematic research, thesis, project, and final project, students follow the process of research, formulation, conception, and development of the project. Students independently manage the research, conceptualization, design, and materialization of complex architectural and urban units, using all the acquired knowledge and skills. Master thesis U, based on Thematic research U, is a continuation of research at the highest and most complex level of Master's study level. It involves exploring the context, and processing all specific aspects of the assignment, establishing the program structure and thesis of the project. Then, through clearly defining the project tasks and project topics based student can start designing the project with insight into contemporary tendencies in architecture, as well as a critical attitude towards the local environment and the context in general.				
Outcome of the subject Preparation for work on the project, formation of the thesis of the Master design project, and the Master final project.				
Subject content Affirmation of the topic set out in the Thematic research U, formulation, and elaboration of the thesis by defining the project thesis and project program.				
Literature: The literature recommended by the mentor The literature suggested by the student and accepted by the mentor The literature suggested by the teacher of the theory course Scientific research methodology				
Number of active teaching classes				Other: 0
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	
Method of carrying out the teaching Classes are realized through interactive forms of teaching, student research work, and mentoring work. Oral public defense of the Master thesis U before the commission				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 40	Final exam	total points 60	
practical work	30	Study	50	
colloquium(s)	10	Oral presentation	10	

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture				
Name of the subject: MASTER THESIS U - 04				
Teachers: Ph.D. Aleksandra M. Đukić, Associate Professor				
Status of the subject: elective				
Number of ECTS credits: 5				
Conditions: The choice of the subject Master thesis U, depends on the selected subject Thematic research U. Confirmed Thematic research U.				
Subject goal The final part of the Master Academic Studies program - Architecture_Module U / Integrated Academic Studies - Architecture consists of four sections: Thematic research, Master thesis, Master design project, and the Master final project. Working through thematic research, thesis, project, and final project, students follow the process of research, formulation, conception, and development of the project. Students independently manage the research, conceptualization, design, and materialization of complex architectural and urban units, using all the acquired knowledge and skills. Master thesis U, based on Thematic research U, is a continuation of research at the highest and most complex level of Master's study level. It involves exploring the context, and processing all specific aspects of the assignment, establishing the program structure and thesis of the project. Then, through clearly defining the project tasks and project topics based student can start designing the project with insight into contemporary tendencies in architecture, as well as a critical attitude towards the local environment and the context in general.				
Outcome of the subject Preparation for work on the project, formation of the thesis of the Master design project, and the Master final project.				
Subject content Affirmation of the topic set out in the Thematic research U, formulation, and elaboration of the thesis by defining the project thesis and project program.				
Literature: The literature recommended by the mentor The literature suggested by the student and accepted by the mentor The literature suggested by the teacher of the theory course Scientific research methodology				
Number of active teaching classes				Other: 0
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	
Method of carrying out the teaching Classes are realized through interactive forms of teaching, student research work, and mentoring work. Oral public defense of the Master thesis U before the commission				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 40	Final exam	total points 60	
practical work	30	Study	50	
colloquium(s)	10	Oral presentation	10	

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture				
Name of the subject: MASTER DESIGN PROJECT U - 01				
Teachers: Ph.D. Eva J. Vaništa Lazarević, Professor				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: The choice of the subject Master design project U, depends on the selected subject Thematic research U and Master thesis U.				
Subject goal				
<p>The final part of the Master Academic Studies program - Architecture_Module U / Integrated Academic Studies - Architecture consists of four sections: Thematic research, Master Thesis, Master Design Project, and The Master Final Project. Working through thematic research, thesis, project, and final project, students follow the process of research, formulation, conception, and development of the project. Students independently perform the study, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Master Design Project represents work at the highest and most complex level of master level of study with an identifiable research component: research through defining basic research questions through the project, research, and development of design methods following the Master Thesis as analytical and generic studies in the space with public checking of concept.</p>				
Outcome of the subject				
The result of the research through the project is the formation of the project's concept - preparation for the development of the Master Final Project.				
Subject content				
Research through the project, modeling, design, and structuring of the project's program and concept Working on necessary relevant and reference literature, finding analytical and generic research models.				
Literature:				
The literature recommended by the mentor				
The literature suggested by the student and accepted by the mentor				
Research methodology through design				
Number of active teaching classes				Other: 0
Lectures: 0	Exercises: 0	OFL: 4	SRW: 10	
Method of carrying out the teaching				
Classes are realized through interactive forms of teaching, student research work, and mentoring work. Oral public defense of the Master design project before the commission.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 40	Final exam	total points 60	
practical work	30	study	50	
colloquium(s)	10	oral presentation	10	

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture				
Name of the subject: MASTER DESIGN PROJECT U - 02				
Teachers: Ph.D. Vladan A. Đokić, Professor				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: The choice of the subject Master design project U, depends on the selected subject Thematic research U and Master thesis U.				
Subject goal The final part of the Master Academic Studies program - Architecture_Module U / Integrated Academic Studies - Architecture consists of four sections: Thematic research, Master Thesis, Master Design Project, and The Master Final Project. Working through thematic research, thesis, project, and final project, students follow the process of research, formulation, conception, and development of the project. Students independently perform the study, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level of master level of study with an identifiable research component: research through defining basic research questions through the project, research, and development of design methods following the Master Thesis as analytical and generic studies in the space with public checking of concept.				
Outcome of the subject The result of the research through the project is the formation of the project's concept - preparation for the development of the Master Final Project.				
Subject content Research through the project, modeling, design, and structuring of the project's program and concept Working on necessary relevant and reference literature, finding analytical and generic research models.				
Literature: The literature recommended by the mentor The literature suggested by the student and accepted by the mentor Research methodology through design				
Number of active teaching classes				Other: 0
Lectures: 0	Exercises: 0	OFL: 4	SRW: 10	
Method of carrying out the teaching Classes are realized through interactive forms of teaching, student research work, and mentoring work. Oral public defense of the Master design project before the commission.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 40	Final exam	total points 60	
practical work	30	study	50	
colloquium(s)	10	oral presentation	10	

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture				
Name of the subject: MASTER DESIGN PROJECT U - 03				
Teachers: Ph.D. Aleksandra B. Stupar, Associate Professor				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: The choice of the subject Master design project U, depends on the selected subject Thematic research U and Master thesis U.				
Subject goal The final part of the Master Academic Studies program - Architecture_Module U / Integrated Academic Studies - Architecture consists of four sections: Thematic research, Master Thesis, Master Design Project, and The Master Final Project. Working through thematic research, thesis, project, and final project, students follow the process of research, formulation, conception, and development of the project. Students independently perform the study, conceptualization, design, and materialization of complex architectural and urban units. Master Design Project represents work at the highest and most complex level of master level of study with an identifiable research component: research through defining basic research questions through the project, research, and development of design methods following the Master Thesis as analytical and generic studies in the space with public checking of concept.				
Outcome of the subject The result of the research through the project is the formation of the project's concept - preparation for the development of the Master Final Project.				
Subject content Research through the project, modeling, design, and structuring of the project's program and concept Working on necessary relevant and reference literature, finding analytical and generic research models.				
Literature: The literature recommended by the mentor The literature suggested by the student and accepted by the mentor Research methodology through design				
Number of active teaching classes				Other: 0
Lectures: 0	Exercises: 0	OFL: 4	SRW: 10	
Method of carrying out the teaching Classes are realized through interactive forms of teaching, student research work, and mentoring work. Oral public defense of the Master design project before the commission.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 40	Final exam	total points 60	
practical work	30	study	50	
colloquium(s)	10	oral presentation	10	

Table 5.2 Specification of subject

Study program: Master academic studies – Architecture_Module U / Integrated academic studies – Architecture				
Name of the subject: MASTER DESIGN PROJECT U - 04				
Teachers: Ph.D. Aleksandra M. Đukić, Associate Professor				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: The choice of the subject Master design project U, depends on the selected subject Thematic research U and Master thesis U.				
Subject goal				
<p>The final part of the Master Academic Studies program - Architecture_Module U / Integrated Academic Studies - Architecture consists of four sections: Thematic research, Master Thesis, Master Design Project, and The Master Final Project. Working through thematic research, thesis, project, and final project, students follow the process of research, formulation, conception, and development of the project. Students independently perform the study, conceptualization, design, and materialization of complex architectural and urban units.</p> <p>Master Design Project represents work at the highest and most complex level of master level of study with an identifiable research component: research through defining basic research questions through the project, research, and development of design methods following the Master Thesis as analytical and generic studies in the space with public checking of concept.</p>				
Outcome of the subject				
The result of the research through the project is the formation of the project's concept - preparation for the development of the Master Final Project.				
Subject content				
Research through the project, modeling, design, and structuring of the project's program and concept Working on necessary relevant and reference literature, finding analytical and generic research models.				
Literature:				
The literature recommended by the mentor				
The literature suggested by the student and accepted by the mentor				
Research methodology through design				
Number of active teaching classes				Other: 0
Lectures: 0	Exercises: 0	OFL: 4	SRW: 10	
Method of carrying out the teaching				
Classes are realized through interactive forms of teaching, student research work, and mentoring work. Oral public defense of the Master design project before the commission.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	total points 40	Final exam	total points 60	
practical work	30	study	50	
colloquium(s)	10	oral presentation	10	

ELECTIVE COURSES - Module AT

Module ARCHITECTURAL TECHNOLOGY

Study program: Master academic studies – Architecture _ Module AT			
Name of the subject: STUDIO M01AT – Design Project - 01			
Teacher(s): Professor Ph.D. Branislav D. Žegarac (1); Professor Ph.D. Jelena A. Ivanović-Šekularac			
Status of the subject: elective			
Number of ECTS credits: 15			
Conditions: /			
Subject goal The design and realization of residential and commercial buildings intended for the market in central areas of Belgrade present a topic that is exceptionally relevant today in contemporary domestic practice, especially during the last ten years. The task involves exploring the spatial, location, structural and economic parameters of designing objects for the market with an emphasis on avoiding routine solutions, intending to find new, creative approaches in a functional, aesthetic, and constructive sense. A particular part of the task is related to the research of the application of modern materials, constructive solutions, and the influence of architectural details on the design and functional characteristics of the building.			
Outcome of the subject The planned outcome for students is to become acquainted with contemporary approaches in design, materialization, and realization of residential and commercial buildings, in the central parts of Belgrade, and also to learn current urban and legal regulations, the laws of the market as well as the problems of realization of facilities in the existing urban areas, which will make it much easier for them to work in the economy and take an expert exam in the field of architecture.			
Subject content <ul style="list-style-type: none">- <i>Theory</i>- <i>Practical learning</i>			
Literature <ul style="list-style-type: none">• Kronenburg Robert: Flexible – Architecture that Responds to Change, Laurence King Publishing Ltd, London, 2007.• Mostaedi Arian: Nuovi edifici residenziali collettivi, Logos, Barselona, 2000.• Schittich Christian: Housing for People of All Ages, Detail – Institut für internationale Architektur – Dokumentation GmbH, München, 2007.• Reiners Holger: Die besten Einfamilienhäuser, Georg D.W. Callwey GmbH&Co., München,1999/2000.• Broto Carles: Innovative Public Housing, Mostaedi Arian, Barselona, 2005.• Detail, broj 3, 2006.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 9	
SRW: 0			
Method of carrying out the teaching Classes are realized through consultations in studio exercises, at home and in the field.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
Colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture_Module AT			
Name of the subject: STUDIO M01 AT – Design Project - 02			
Teacher(s): Associate Professor Ph.D. Budimir S. Sudimac			
Status of the subject: elective			
Number of ECTS credits: 15			
Conditions: /			
Subject goal The course aims to link and improve the knowledge and skills acquired during bachelor academic studies, both at the level of research and generalization, as well as at the level of design and realization. Students develop the skills of integrated design, typology of space to technical models of building construction. The course aims to introduce students to the professional and scientific matter and methodology of the architectural design of architectural objects, applying the basic principles of energy efficiency. The project assignment serves as a program basis for adequately introducing students to the elements of architectural and urban design, developing the ability to gather information and contemporary facilities for the construction of buildings with the correlation of technology and architecture, taking into account the urban issues of the chosen location. Through analysis, lectures, case study analysis, students are introduced to external and internal factors that affect the comfort of particular architectural space while optimizing the energy-efficient systems of the buildings. Teaching aims to systematically examine all these requirements to determine the necessary resources for their implementation and their influence on an architectural design solution.			
Outcome of the subject Ability to create architectural designs that meet both aesthetic and technical requirements; Knowledge of fine arts as an influence on the quality of architectural design; Adequate knowledge of urban design, planning, and other skills which are involved in the design process; Understanding the relationship between people and buildings, between buildings and their environment, as well as the need to connect objects and spaces between them to human needs and scale; understanding of the profession of architect and the role of the architect in society, especially in the preparation of project tasks that treat social influences; Adequate knowledge of physics and technology issues as well as facility functions in order to provide indoor comfort conditions and protection against adverse climatic conditions; Necessary design skills that will be able to meet user requirements, despite financial and regulatory constraints.			
Subject content <i>Theory</i> <i>Practical learning</i> Classes (lectures and exercises) are mandatory, and they present a combination of many different forms of work, such as ex-cathedra teaching, interactive teaching, analysis od case studies, individual and group projects, research projects, presentations, essays, seminar papers.			
Literature 1.Ibelings Hans, 2007, Supermodernism - Architecture in the Age of Globalization 2.Bill Dunster, Craig Simmons, Bobbz Gilbert, 2009, The ZEDbook, Taylor&Francis Group, New York 3.Georg Albert, 2010, Energieeffiziente Architektur in Deutschland, Wustenrot Stiftung, Zurich 4.Ibelings Hans, 2007, Supermodernism - Architecture in the Age of Globalization 5.Wüstenrot Stiftung. Beiträge von Inge Beckel, Claes Caldenby, Gert Kähler, Roland Kötz, Nikolaus Kohler, Arno Lederer, HughPearman, Ariane Wilson, 2004, Schulen in Deutschland, Karl Krämer, Stuttgart			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 9	
SRW: 0			
Method of carrying out the teaching Classes are being realized through lectures and interactive classes.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
Colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT			
Name of the subject: STUDIO 01 AT – Seminar -01			
Teacher(s): Professor Ph.D. Branislav D. Žegarac			
Status of the subject: elective			
Number of ECTS credits: 2			
Conditions: /			
Subject goal The Master Thesis aims to explore new design concepts in program and design terms and also the possibilities of applying new materials and technologies according to the broad thematic and spatial framework. This implies a holistic approach to architectural design towards meeting the new needs of contemporary society and embracing the need for sustainability in the energy and technological context. Analysis of relevant impacts, understanding, and study of the location, function, and technology of a given building should enable contemporary solutions to be accommodating and reflected through the spatial-functional, design and constructive concept of the building and its communication with the environment. The synthesis and application of all acquired knowledge are expected. The result should be the basis for the further design of a project for a master project.			
Outcome of the subject The outcome of the subject is the written thesis which presents the competence of synthesizing and application of acquired knowledge and especially knowledge in contemporary materials and technologies.			
Subject content <i>Practical learning</i> _Research of relevant designs, and defining methodology for creating the program; _Graphical and spatial presentations of analysis of location, function, and technology; _Defining the project assignment for Master project; _Oral presentation of Master Thesis			
Literature The type of literature depends on the typology, function, and location of the building.			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching _Lectures and presentations, _Analysis and discussions.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	60
Practical teaching		Oral exam	
Colloquium	30		
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT				
Name of the subject: STUDIO 01 AT – Seminar -02				
Teacher(s): Associate Professor Ph.D. Budimir S. Sudimac				
Status of the subject: elective				
Number of ECTS credits: 2				
Conditions: /				
Subject goal The aim of the seminar is the analysis and design of architectural elements that contribute to the reduction of extreme natural and created impacts on the comfort and comfort zone of people living in different climates. During the seminar, the methods of protection, design, and technological potentials of particular types of protection will be examined in response to the challenges of a sustainable world. Seminar lectures aim to introduce students to contemporary systems of protection, basic principles of designing elements of protection, and possible ways of integration into urban structures through theoretical teaching, case studies analysis, and guest lectures. Elements of protection will be treated as part of the process of overall energy optimization of an architectural object or space within which technological development enables the use of present and future natural potentials. Through practical work on a seminar paper, students will gain knowledge of the complex aspects of designing a space for a comfortable living for people.				
Outcome of the subject Acquired knowledge through theoretical lectures in this subject is supplemented and improved knowledge of architectural constructions 4, as well as entirely new knowledge in the field of media facades, which represents the basis for developing critical thinking about the importance and application of state-of-the-art technologies and materials in architecture. Also, students can apply the acquired knowledge in the design process of innovative buildings and structures.				
Subject content <i>Theory</i> The basis of the seminar is to introduce students to the phenomena that affect the comfort zone, which in addition to functional ones, have a formative, ecological, and energetic character. The focus of the seminar is on the analysis of different tendencies in the conception and design of elements of protection of architectural buildings and open spaces in different climatic environments. Through the analysis of different concepts, the possibilities of creating integrative systems as part of the structure of objects as well as systems that allow easy disassembly for reuse and recycling are explored. <i>Practical learning</i>				
Literature 1. Klaus Daniels, TECHNOLOGIE DES ÖKOLOGISCHEN BAUENS, Birkhauser, 1999., 2. Behling Sophia and Behling Stefan, SOLAR POWER the evolution of sustainable architecture, New York, Prestel, 2000 3. Herzog Thomas (ed.), SOLAR ENERGY IN ARCHITECTURE AND URBAN PLANING, London,Prestel, 1996. 4. Kemp Wiliam H. SMART POWER:AN URBAN GUIDE TO RENEWABLE ENERGY AND EFFICIENCY,Tamworth, Aztext Press, 2004. 5. Yannas Simos,Errel Evyator, Molina Jose Luis, ROOF COOLING TECHNIQUES, London, Earthscan, 2008. 6. Christian Schittich, SOLARES BAUEN-strategien.vision.koncepte, Birkhauser, 2003., 7. Gerhard Hausladen, CLIMA SKIN, Callwey, 2006., 8. Dirk U.Hindrichs,Klaus Daniels, Plusminus20/40latitude, Alex Manges, 2009.				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching Seminar lectures are realized through theoretical lectures, case study analyzes, and interactive lectures and discussions. The lectures are formed so that students become acquainted with: the architecture of contemporary and traditional ways of protection from natural and created influences, the basics of forming protection circuits, functional systematization, and organization of space for a comfortable living. Work on seminar paper is carried out through consultation with students.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Activity during lectures	10	Written exam	60	
Practical teaching		Oral exam		
Colloquium	30			
Seminar(s)				

Study program: Master academic studies – Architecture _ Module AT			
Name of the subject: STUDIO M02AT – Design Project - 01			
Teacher(s): Professor Ph.D. Ana P. Radivojević			
Status of the subject: elective			
Number of ECTS credits: 15			
Conditions: /			
Subject goal The subject goal is to direct students to different concepts and trends of contemporary design and construction, which in their basics fundamentally care about resources (materials and energy). Careful attitude towards resources can be interpreted in various design problems and tasks as a determination to local materials, low-cost or alternative materials, durable and resilient materials, etc. Also, the concept of the project also examines the relationship to buildings as resources or sources of building materials - the relationship to the constructed stock of buildings and their treatment, as well as the issue of treatment of construction waste that occurs during the life cycle of a building. In that sense, students examine concepts such as 3R (Reduce-Reuse-Recycle), Zero Waste, Design for Deconstruction, etc., accepting them as a starting point in the design process. In the extensive context, the issue of the resources which will be reviewed through the project also includes the issue of energy resources (embedded and useful) as a consequence of the selection of construction materials.			
Outcome of the subject Understanding contemporary concepts of design and construction, which have on their basis a specific focus on resources (materials and energy), and as a consequence have a specific attitude to the selection of materials and construction techniques/technologies, as well as their application to a specific design task.			
Subject content <i>Theory</i> It is presented within the seminar Materials and Resources; <i>Practical learning</i> Previous analysis and definition of a specific project task for the development of a preliminary architectural project. The expected approach to the project should primarily be guided by the idea of functional and rational use of space/land as one of the basic resources, regarding the choice of materials and construction techniques/technologies that should be such as to show a deliberate relationship to resources (materials and/or energy). Design of preliminary architectural projects with details and accompanying analyzes and flow charts of materials over the life cycle of the material/building.			
Literature Hillebrandt, A., Riegler-Floors, P., Rosen, A., Seggewiesnette, J.: <i>Manual of Recycling</i> , Detail, 2019. Hildebrand L., Kosanović S., Radivojević A., Konstantinou Th., Klein T. (eds.): <i>Book 5 Approaches, Methods and Tools for Sustainable and Resilient Building Design. KLABS book series: Reviews of Sustainability and Resilience of the Built Environment for Education, Research and Design</i> , TU Delft Open, 2018. Čuković Ignjatović N., Konstantinou Th., Zbašnik-Senegačnik M. (eds.): <i>Book 4 Energy: Resources and Building Performance. KLABS book series: Reviews of Sustainability and Resilience of the Built Environment for Education, Research and Design</i> , TU Delft Open, 2018. Kosanović S., Novaković N. i Fikfak A. (ur.) <i>Pregledi održivosti i otpornosti građene sredine</i> , TU Delft Open, 2018. Sassi, Paola: <i>Strategies for Sustainable Architecture</i> , Taylor & Francis, 2006. Harris, Cindy and Pat Borer: <i>The Whole House Book</i> , Centre for Alternative Technology, 2005.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 9	
SRW: 0			
Method of carrying out the teaching Classes are realized through exercises in the studio, research, and work at home and fieldwork. The studio occasionally provides lectures, discussions, and case study analysis. Experts from different fields may be included in the lectures, if necessary, with the aim of considering the topic of work from the perspective of different professions and specific problems. The seminar Materials and Resources support the practical work.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
Colloquium	30	Studio portfolio	60
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT			
Name of the subject: STUDIO M02AT – Design Project -02			
Teacher(s): Associate Professor Ph.D. Nataša D. Čuković Ignjatović			
Status of the subject: elective			
Number of ECTS credits: 15			
Conditions: /			
Subject goal The studio aims to develop the ability to define an architectural solution that integrates responses to the climatic, morphological, social, and urban aspects of a given context. Through work on a specific assignment, students explore the cause-and-effect relationships of architectural-urban interventions within a given spatial framework, as well as various design approaches that utilize site potentials. The focus of the work is on the creative application of the principles of bioclimatic, green, and energy-efficient architecture in the design process, from urban-programmatic settings to details and materialization.			
Outcome of the subject In the first phase of the work, a thematic-program framework is formed, related to various aspects of sustainability as a category that connects the environmental, social, and material implications of architectural activity in a given context. In the second phase of the work, students integrate principles and systems of sustainable, bioclimatic, green, and energy-efficient architectures into the design processes, which should be appropriate to the chosen conceptual and programmatic approach to the topic. The student will have the ability to: prepare and present projects of buildings of various sizes, complexities and typologies in a variety of contexts, using a wide range of media (techniques) while responding to a given task; understands structural design, environmental strategies and regulatory (legal) requirements related to the design and construction of a complete architectural project; develops a conceptual and critical approach to architectural projects that integrates the aesthetic aspects of the building and the technical requirements of construction and user needs. The student will have knowledge of: applying appropriate theoretical concepts while designing in a studio, presenting thoughtful and critical approach; how the theory, practice, and technologies of the visual arts influence the architectural project; the creative application of the visual arts and their importance and impact on architecture; creative application of similar works in the design process in the studio, in terms of their conceptualization and representation; the principles of designing optimal visual, thermal and acoustic environments; systems for achieving environmental comfort in accordance with the principles of sustainable development; The student will have an understanding of: the needs and aspirations of facility users; the environmental impacts of the facilities and the premise of sustainable design; how objects will fit into their local contexts; the role of the architect in the design team and the building industry, recognizing the importance of current methods and trends in shaping the built environment; the potential impact of construction projects on existing and future communities; the need to critically examine examples that are functionally, organizationally and technologically relevant to defined project assignment; the need to evaluate and prepare project assignments of different sizes and typologies, to define client and user requirements and their adaptability to location and context; research, critical appraisal and selection of alternative structural, building and solutions of materialization in accordance with the architectural design;			
Subject content The contemporary approach to sustainability aspects in architecture involves a wide range of topics and a new contextualization of the architect's role in the process of environment formation. By learning about current theoretical postulates and filtering them through discussions and working on a task, the student defines his theoretical starting points and then convert them into an architectural object, with all elements of materialization. Students are expected to explore the program, architectural and technological solutions that will provide a contemporary response to urbanization challenges in a specific social and spatial context.			
Literature A Green Vitruvius, V. Brophy and J.O. Lewis, Earthscan 2011. Биоклиматско планирање и пројектовање, Пуцар М, Пајевић М, Јовановић Поповић М., Завет 1994. Energy - Resources and Building Performance, T.Konstantinou, N. Čuković Ignjatović and M. Zbašnik-Senegačnik (Eds.), TU Delft Open 2018. Pregledi održivosti i otpornosti građene sredine, Kosanović S., Novaković N., Fikfak A. (Eds.) TU Delft Open 2018. Reviews of Sustainability and Resilience of the Built Environment for Education, Research and Design, S. Kosanović, A. Fikfak, N. Novaković and T. Klein (Eds.), TU Delft Open 2018. Script, Reader (distributed to students during the semester)			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 9	
SRW: 0			
Method of carrying out the teaching Individual and group projects, research projects, discussions, presentations; site tour, interactive forms of lectures, case study analysis.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
Colloquium	30	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT			
Name of the subject: STUDIO M02 AT – Seminar -01			
Teacher(s): Professor Ph.D. Ana P. Radivojević			
Status of the subject: elective			
Number of ECTS credits: 2			
Conditions: /			
Subject goal Introduction with the role and importance which materials have in the concept of sustainable architecture, in terms of the relationship to resources, the amount of energy incorporated, and the amount of carbon dioxide incorporated, toxicity and other environmental implications. Reference to the importance of an adequate attitude towards the problem of completion of the life cycle of a building/material and establishing a correlation between the choice of materials and the concepts of construction, which in their essence show a specific relation to resources (materials and energy). Introduction to the basic starting points of such concepts (3R (Reduce-Reuse-Recycle), Zero Waste, Design for Deconstruction, etc.).			
Outcome of the subject Understanding the importance that selection of material has in case of creating the concept of sustainable architecture, as well as the impact of selection on the achievement of specific contemporary construction concepts, focused on the problems of the end of the life cycle of materials/buildings.			
Subject content <i>Theory</i> Impact/interaction of materials on the environment - resources, energy, pollution; the life cycle of materials and buildings; End of the life cycle - Waste Problem and How to Solve it; Material durability and relationship to the durability of the building; Waste management concepts and construction concepts.			
Literature Hillebrandt, A., Riegler-Floors, P., Rosen, A., Seggewiesnette, J.: <i>Manual of Recycling</i> , Detail, 2019. Calkins, Meg: <i>Materials for Sustainable Sites</i> , Wiley, 2009. Harris, Cindy and Pat Borer: <i>The Whole House Book</i> , Centre for Alternative Technology, 2005. Woolley, Tim et al.: <i>Green Building Handbook, Volume 1</i> , Spon Press, 2001. Woolley, Tim and Sam Kimmins: <i>Green Building Handbook, Volume 2</i> , Spon Press, 2002. Berge, Bjørn: <i>The Ecology of Building Materials</i> , Architectural Press, 2001.			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 0			
Method of carrying out the teaching Lectures are theoretical and take place through ex-cathedra lectures, with case studies analysis, discussions, and active student involvement.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	60
Practical teaching		Oral exam	
Colloquium	30		
Seminar(s)			

Study program: Master academic studies – Architecture_Module AT				
Name of the subject: STUDIO M02 AT – Seminar -02				
Teacher(s): Associate Professor Ph.D. Nataša D. Čuković Ignjatović				
Status of the subject: elective				
Number of ECTS credits: 2				
Conditions: /				
Subject goal				
The basic principles and themes of sustainable development over the past decades have gained their indispensable place in architectural theory and practice. The seminar aims to acquaint students with current theoretical assumptions in this field with a critical consideration of practical issues that they will recognize as relevant to their work on the M02 design studio.				
Outcome of the subject				
The outcome of the course is an active knowledge of the basic premises of sustainable architecture, the principles of designing bioclimatic, energy-efficient and green architecture with the ability to critically review the design and technological solutions in the context of a holistic approach to the project design from the M02 design studio.				
The student will have the ability to: understand the structural assembly, environmental strategies and regulatory (legal) requirements related to the design and construction of a complete architectural project;				
The student will have an understanding of: the needs and aspirations of facility users; the environmental impacts of the facilities and the premise of sustainable design; how objects will fit into their local contexts; the nature of professionalism and the obligations and responsibilities of architects towards clients, users of buildings, building contractors, professional associates and the wider community; the role of the architect in the design team and the building industry, recognizing the importance of current methods and trends in shaping the built environment; the potential impact of construction projects on existing and future communities; the need to critically examine examples that are functionally, organizationally and technologically relevant to the assigned project task; the need to evaluate and prepare project assignments of different sizes and typologies, to define client and user requirements and their adaptability to location and context; research, critical appraisal and selection of alternative structural, construction and materialization solutions in accordance with the architectural design; strategies for building construction and the ability to integrate knowledge of constructive principles and construction techniques;				
The student will have knowledge of: principles of designing optimal visual, thermal and acoustic environments; systems for achieving environmental comfort according to the principles of sustainable development.				
Subject content				
<i>Theory</i>				
The theoretical segment of lectures is aimed at acquiring knowledge about the basic premises of sustainable architecture, as well as acquaintance with the principles of designing bioclimatic, energy-efficient, and green architecture.				
The focus of the seminar is on the critical rethinking of design and technological solutions in the context of a holistic approach to the task from the M02 design studio.				
Literature				
A Green Vitruvius, V. Brophy and J.O. Lewis, Earthscan 2011.				
Биоклиматско планирање и пројектовање, Пуцар М, Пајевић М, Јовановић Поповић М., Завет 1994.				
Conserving energy/Сачувај енергију, Д. Игњатовић, Н. Ђуковић Игњатовић, GIZ и Универзитет у Београду – Архитектонски факултет, 2017.				
Energy - Resources and Building Performance, T.Konstantinou, N. Čuković Ignjatović and M. Zbašnik-Senegačnik (Eds.), TU Delft Open 2018.				
Pregledi održivosti i otpornosti građene sredine, Kosanović S., Novaković N., Fikfak A. (Eds.) TU Delft Open 2018.				
Reviews of Sustainability and Resilience of the Built Environment for Education, Research and Design, S. Kosanović, A. Fikfak, N. Novaković and T. Klein (Eds.), TU Delft Open 2018.				
Script, Reader (distributed to students during the semester)				
Number of active teaching classes				Other: /
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	
Method of carrying out the teaching				
Lectures ex – cathedra, interactive lectures, workshops, discussions, presentations, individual and group projects, smaller research projects, analysis of case studies.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	points		Final exam	points
Activity during lectures	10		Written exam	
Practical teaching			Oral exam	
Colloquium	40		Seminar(s)	50
Seminar(s)				

Study program: Master academic studies – Architecture_Module AT			
Name of the subject: STUDIO M03AT – Design Project - 01			
Teacher(s): Associate Professor Ph.D. Dušan M. Ignjatović			
Status of the subject: elective			
Number of ECTS credits: 12			
Conditions: /			
Subject goal <p>The goal of the subject is to develop the ability of critical overview of interrelationships: program requirements, site-specificity, technical and technological systems, and formulation of the architectural concept of a contemporary building based on the principles of green architecture.</p> <p>The other subject goal is acquiring the methods of analysis of generative impact factors (natural and created) with an adequate solution of the program requirements and minimizing the energy performance of the object.</p> <p>Through the project, students are introduced with new methods of defining contemporary concepts of building envelopes with the elaboration of technical and technological characteristics to the level of architectural detail with constant parallel customization to the annual climate rhythm.</p> <p>The specific goal of the assignment is to develop a concept based on respect for the natural environment and nature in general - from the level of the concrete site and its potentials and limitations to the careful selection of structures and materials.</p>			
Outcome of the subject <p>The outcome of the course is the mastery of knowledge and techniques that enable adequate understanding and analysis of the impact of natural and created elements of the environment and their adequate treatment through the design and construction of buildings, minimizing the negative impacts of the building, based on contemporary theoretical concepts and technological solutions.</p>			
Subject content <p>Getting acquainted with current theoretical and practical settings of green architecture and its relations to contemporary tendencies in the materialization of objects.</p> <p>Analysis of the given program and its relation to the generative aspects of natural, cultural, technological, and energy origin.</p> <p>Formation of a specific spatial-functional framework within the given program, and its elaboration at the conceptual or elaboration level at the conceptual design level, as well as the detailed elaboration of the thermal envelope segment according to the requirements of the users (the program) and the annual natural rhythm.</p> <p>Development of programming models, simple space-energy simulations, and observation/resolution of relations to natural and created conditions with checking of starting settings.</p> <p>Resolve the materialization of the envelope segment while understanding the logic of transformability and adaptability.</p>			
Literature <p>Owen Lewis, J. Bropy, V. (1999) A Green Vitruvius: Principles and Practice of Sustainable Architectural Design. London: James and James</p> <p>Gauzin-Müller, D. (2001). Sustainable Architecture and Urbanism: Concepts Technologies Examples, Basel: Birkhäuser</p> <p>Hegger, M., Fuchs, M., Stark, T., Zeumer, M. (2008). Energy Manual – Sustainable Architecture, Basel•Boston• Berlin: Birkhäuser</p> <p>Herzog t. Krippner, R. Lang, W. (2004). Facade construction Manual, Basel•Boston• Berlin: Birkhäuser – Publishers for Architecture и Munich: Edition Detail</p>			
Number of active teaching classes			Other: /
Lectures: 1	Exercises: 0	OFL: 6	
SRW: 0			
Method of carrying out the teaching <p>Lectures ex-cathedra, research of generative parameters of site, case study analysis, discussions, presentations.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures	10	Written exam	
Practical teaching		Oral exam	
Colloquium	15+15	Studio portfolio and design presentation review	60
Seminar(s)			

Study program: Master academic studies – Architecture_Module AT				
Name of the subject: STUDIO M03AT – Design Project -02				
Teacher(s): Assistant Professor Ph.D. Tatjana S. Jurenić				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: /				
Subject goal The work in the studio aims to introduce students to the design of a public cultural object according to the specifics of the city location and limited space and capacity. During the semester, students will be guided through the design process and the elements of project management, from the establishment of the site, through the conceptual design and the conceptual design, to its development in an appropriate scope. Particular attention in the phase of development of the project will be given to the design according to the current regulations for the provided program, then a preliminary estimate of the construction costs and elements of the organization of construction.				
Outcome of the subject Competence of students in architectural design and its multidisciplinary aspects. Development of the conceptual design into a project of higher definition, elaborated functions, design, design of specific construction, materialization, and spatial solutions that enable contemporary equipment of installation systems.				
Subject content <i>Practical learning</i> Classes are realized as practical through simulation of the design process, from the research of the site and program, including planning documents and current regulations. After the creation of conceptual design, it is developed with the elements of the project for a building permit.				
Literature				
Number of active teaching classes			Other: /	
Lectures: 1	Exercises: 0	OFL: 6		
SRW: 0				
Method of carrying out the teaching Classes are realized through a combination of lectures, case study analysis, individual research, and presentations. Research of program, concept development, and conceptual architectural design. Development of conceptual design into elements of the main project. Introduction to the project processes.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		points	Final exam	points
Activity during lectures		10	Written exam	
Practical teaching			Oral exam	
Colloquium		30	Studio portfolio and design presentation review	60
Seminar(s)				

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture				
Name of the subject: THEMATIC RESEARCH AT -01				
Teacher(s): Professor Ph.D. Branislav D. Žegarac				
Status of the subject: elective				
Number of ECTS credits: 5				
Conditions: /				
Subject goal The final part of the Master Academic Studies program - Architecture_Modul AT consists of four parts: Thematic Research - AT, Thesis Master - AT, The Project Master - AT, and the Master of Final Work - AT. Students are working through thematic research, thesis, project and final work, through the process of research, formulation, creation of concept and development of the project, individually synthesize all acquired knowledge and skills, control the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units. Thematic research is individual research at the highest and most complex level of the master level of study, which involves the research and processing of general and specific topics in accordance with the thematic framework. The objective of the subject is for the student to form a corpus of information and data using different research strategies and tactics as a basis and preparation for the realization of further activities on the Master Thesis and Master Design Project. Also, the goal is to define within the course the subject of research and work and the topic of research by focusing on the research problem and create a review of the literature and other sources.				
Outcome of the subject The expectations are that the Thematic Research will stimulate and enhance students' research potential and provide the knowledge, skills, and other competencies required for their further work on Master Thesis, Master Design Project.				
Subject content <i>Theory / Practical learning</i> Through a combination of lectures and interactive teaching, students are directed to define individual research topics. Lectures in this subject improve the skills and knowledge of contemporary methods of architectural research, and particularly the methodology of design research. The closer definition of the thematic framework more aligns individual topics with research goals and associates them with work on a practical task. Individual research involves working on relevant literature and exploring contextual and historical facts; contemporary analog content, functions, models, and architectural artifacts; modern technologies, methods, and tools for designing and constructing different types of buildings.				
Literature Literature is defined according to the given task and contains bibliographic units recommended by the mentors and/or suggested by students and approved by the mentor, and those bibliographic units are related to: -thematic framework and research problem and -research methodology				
Number of active teaching classes			Other: /	
Lectures: 2	Exercises: 0	OFL: 0		
SRW: 4				
Method of carrying out the teaching In the realization of lectures, various forms are applied, such as lectures, interactive forms of lecturing, student's independent research work, etc.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		points	Final exam	points
Activity during lectures			Written exam	
Practical teaching			Oral exam	
Colloquium				
Seminar(s)				

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: THEMATIC RESEARCH AT -02			
Teacher(s): Professor Ph.D. Lidija S. Đokić			
Status of the subject: elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal The final part of the Master Academic Studies program - Architecture_Modul AT consists of four parts: Thematic Research - AT, Thesis Master - AT, The Project Master - AT, and the Master of Final Work - AT. Students are working through thematic research, thesis, project and final work, through the process of research, formulation, creation of concept and development of the project, individually synthesize all acquired knowledge and skills, control the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units. Thematic research is individual research at the highest and most complex level of the master level of study, which involves the research and processing of general and specific topics in accordance with the thematic framework. The objective of the subject is for the student to form a corpus of information and data using different research strategies and tactics as a basis and preparation for the realization of further activities on the Master Thesis and Master Design Project. Also, the goal is to define within the course the subject of research and work and the topic of research by focusing on the research problem and create a review of the literature and other sources.			
Outcome of the subject The expectations are that the Thematic Research will stimulate and enhance students' research potential and provide the knowledge, skills, and other competencies required for their further work on Master Thesis, Master Design Project.			
Subject content <i>Theory / Practical learning</i> Through a combination of lectures and interactive teaching, students are directed to define individual research topics. Lectures in this subject improve the skills and knowledge of contemporary methods of architectural research, and particularly the methodology of design research. The closer definition of the thematic framework more aligns individual topics with research goals and associates them with work on a practical task. Individual research involves working on relevant literature and exploring contextual and historical facts; contemporary analog content, functions, models, and architectural artifacts; modern technologies, methods, and tools for designing and constructing different types of buildings.			
Literature Literature is defined according to the given task and contains bibliographic units recommended by the mentors and/or suggested by students and approved by the mentor, and those bibliographic units are related to: -thematic framework and research problem and -research methodology			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 4			
Method of carrying out the teaching In the realization of lectures, various forms are applied, such as lectures, interactive forms of lecturing, student's independent research work, etc.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
Colloquium			
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: THEMATIC RESEARCH AT -03			
Teacher(s): Associate Professor Ph.D. Aleksandar N. Rajčić			
Status of the subject: elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master Academic Studies program - Architecture _ Modul AT consists of four parts: Thematic Research - AT, Thesis Master - AT, The Project Master - AT, and the Master of Final Work - AT. Students are working through thematic research, thesis, project and final work, through the process of research, formulation, creation of concept and development of the project, individually synthesize all acquired knowledge and skills, control the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units.</p> <p>Thematic research is individual research at the highest and most complex level of the master level of study, which involves the research and processing of general and specific topics in accordance with the thematic framework. The objective of the subject is for the student to form a corpus of information and data using different research strategies and tactics as a basis and preparation for the realization of further activities on the Master Thesis and Master Design Project. Also, the goal is to define within the course the subject of research and work and the topic of research by focusing on the research problem and create a review of the literature and other sources.</p>			
Outcome of the subject <p>The expectations are that the Thematic Research will stimulate and enhance students' research potential and provide the knowledge, skills, and other competencies required for their further work on Master Thesis, Master Design Project.</p>			
Subject content <i>Theory / Practical learning</i> <p>Through a combination of lectures and interactive teaching, students are directed to define individual research topics. Lectures in this subject improve the skills and knowledge of contemporary methods of architectural research, and particularly the methodology of design research. The closer definition of the thematic framework more aligns individual topics with research goals and associates them with work on a practical task.</p> <p>Individual research involves working on relevant literature and exploring contextual and historical facts; contemporary analog content, functions, models, and architectural artifacts; modern technologies, methods, and tools for designing and constructing different types of buildings.</p>			
Literature <p>Literature is defined according to the given task and contains bibliographic units recommended by the mentors and/or suggested by students and approved by the mentor, and those bibliographic units are related to:</p> <ul style="list-style-type: none"> -thematic framework and research problem and -research methodology 			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0		SRW: 4
Method of carrying out the teaching <p>In the realization of lectures, various forms are applied, such as lectures, interactive forms of lecturing, student's independent research work, etc.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
Colloquium			
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: THEMATIC RESEARCH AT -04			
Teacher(s): Associate Professor Ph.D. Budimir S. Sudimac			
Status of the subject: elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master Academic Studies program - Architecture _ Modul AT consists of four parts: Thematic Research - AT, Thesis Master - AT, The Project Master - AT, and the Master of Final Work - AT. Students are working through thematic research, thesis, project and final work, through the process of research, formulation, creation of concept and development of the project, individually synthesize all acquired knowledge and skills, control the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units.</p> <p>Thematic research is individual research at the highest and most complex level of the master level of study, which involves the research and processing of general and specific topics in accordance with the thematic framework. The objective of the subject is for the student to form a corpus of information and data using different research strategies and tactics as a basis and preparation for the realization of further activities on the Master Thesis and Master Design Project. Also, the goal is to define within the course the subject of research and work and the topic of research by focusing on the research problem and create a review of the literature and other sources.</p>			
Outcome of the subject <p>The expectations are that the Thematic Research will stimulate and enhance students' research potential and provide the knowledge, skills, and other competencies required for their further work on Master Thesis, Master Design Project.</p>			
Subject content <i>Theory / Practical learning</i> <p>Through a combination of lectures and interactive teaching, students are directed to define individual research topics. Lectures in this subject improve the skills and knowledge of contemporary methods of architectural research, and particularly the methodology of design research. The closer definition of the thematic framework more aligns individual topics with research goals and associates them with work on a practical task.</p> <p>Individual research involves working on relevant literature and exploring contextual and historical facts; contemporary analog content, functions, models, and architectural artifacts; modern technologies, methods, and tools for designing and constructing different types of buildings.</p>			
Literature <p>Literature is defined according to the given task and contains bibliographic units recommended by the mentors and/or suggested by students and approved by the mentor, and those bibliographic units are related to:</p> <ul style="list-style-type: none"> -thematic framework and research problem and -research methodology 			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
Method of carrying out the teaching <p>In the realization of lectures, various forms are applied, such as lectures, interactive forms of lecturing, student's independent research work, etc.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
Colloquium			
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: THEMATIC RESEARCH AT -05			
Teacher(s): Associate Professor Ph.D. Dušan M. Ignjatović			
Status of the subject: elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master Academic Studies program - Architecture _ Modul AT consists of four parts: Thematic Research - AT, Thesis Master - AT, The Project Master - AT, and the Master of Final Work - AT. Students are working through thematic research, thesis, project and final work, through the process of research, formulation, creation of concept and development of the project, individually synthesize all acquired knowledge and skills, control the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units.</p> <p>Thematic research is individual research at the highest and most complex level of the master level of study, which involves the research and processing of general and specific topics in accordance with the thematic framework. The objective of the subject is for the student to form a corpus of information and data using different research strategies and tactics as a basis and preparation for the realization of further activities on the Master Thesis and Master Design Project. Also, the goal is to define within the course the subject of research and work and the topic of research by focusing on the research problem and create a review of the literature and other sources.</p>			
Outcome of the subject <p>The expectations are that the Thematic Research will stimulate and enhance students' research potential and provide the knowledge, skills, and other competencies required for their further work on Master Thesis, Master Design Project.</p>			
Subject content <i>Theory / Practical learning</i> <p>Through a combination of lectures and interactive teaching, students are directed to define individual research topics. Lectures in this subject improve the skills and knowledge of contemporary methods of architectural research, and particularly the methodology of design research. The closer definition of the thematic framework more aligns individual topics with research goals and associates them with work on a practical task.</p> <p>Individual research involves working on relevant literature and exploring contextual and historical facts; contemporary analog content, functions, models, and architectural artifacts; modern technologies, methods, and tools for designing and constructing different types of buildings.</p>			
Literature <p>Literature is defined according to the given task and contains bibliographic units recommended by the mentors and/or suggested by students and approved by the mentor, and those bibliographic units are related to:</p> <ul style="list-style-type: none"> -thematic framework and research problem and -research methodology 			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
SRW: 4			
Method of carrying out the teaching <p>In the realization of lectures, various forms are applied, such as lectures, interactive forms of lecturing, student's independent research work, etc.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
Colloquium			
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: THEMATIC RESEARCH AT -06			
Teacher(s): Associate Professor Dragan N. Marčetić			
Status of the subject: elective			
Number of ECTS credits: 5			
Conditions: /			
Subject goal <p>The final part of the Master Academic Studies program - Architecture _ Modul AT consists of four parts: Thematic Research - AT, Thesis Master - AT, The Project Master - AT, and the Master of Final Work - AT. Students are working through thematic research, thesis, project and final work, through the process of research, formulation, creation of concept and development of the project, individually synthesize all acquired knowledge and skills, control the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units.</p> <p>Thematic research is individual research at the highest and most complex level of the master level of study, which involves the research and processing of general and specific topics in accordance with the thematic framework. The objective of the subject is for the student to form a corpus of information and data using different research strategies and tactics as a basis and preparation for the realization of further activities on the Master Thesis and Master Design Project. Also, the goal is to define within the course the subject of research and work and the topic of research by focusing on the research problem and create a review of the literature and other sources.</p>			
Outcome of the subject <p>The expectations are that the Thematic Research will stimulate and enhance students' research potential and provide the knowledge, skills, and other competencies required for their further work on Master Thesis, Master Design Project.</p>			
Subject content <i>Theory / Practical learning</i> <p>Through a combination of lectures and interactive teaching, students are directed to define individual research topics. Lectures in this subject improve the skills and knowledge of contemporary methods of architectural research, and particularly the methodology of design research. The closer definition of the thematic framework more aligns individual topics with research goals and associates them with work on a practical task.</p> <p>Individual research involves working on relevant literature and exploring contextual and historical facts; contemporary analog content, functions, models, and architectural artifacts; modern technologies, methods, and tools for designing and constructing different types of buildings.</p>			
Literature <p>Literature is defined according to the given task and contains bibliographic units recommended by the mentors and/or suggested by students and approved by the mentor, and those bibliographic units are related to:</p> <ul style="list-style-type: none"> -thematic framework and research problem and -research methodology 			
Number of active teaching classes			Other: /
Lectures: 2	Exercises: 0	OFL: 0	
Method of carrying out the teaching <p>In the realization of lectures, various forms are applied, such as lectures, interactive forms of lecturing, student's independent research work, etc.</p>			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	
Practical teaching		Oral exam	
Colloquium			
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: MASTER THESIS AT -01			
Teacher(s): Professor Ph.D. Branislav D. Žegarac			
Status of the subject: elective			
Number of ECTS credits: 5			
Conditions: The selection of the subject Master Thesis - AT depends on the selected subject Thematic Research - AT. It is also required that Thematic research is confirmed.			
Subject goal The Master Thesis aims to explore new design concepts in program and design terms and also the possibilities of applying new materials and technologies according to the broad thematic and spatial framework. This implies a holistic approach to architectural design towards meeting the new needs of contemporary society and embracing the need for sustainability in the energy and technological context. Analysis of relevant impacts, understanding, and study of the location, function, and technology of a given building should enable contemporary solutions to be accommodating and reflected through the spatial-functional, design and constructive concept of the building and its communication with the environment. The synthesis and application of all acquired knowledge are expected. The result should be the basis for the further design of a project for a master project.			
Outcome of the subject The outcome of the subject is the written thesis which presents the competence of synthesizing and application of acquired knowledge and especially knowledge in contemporary materials and technologies.			
Subject content <i>Practical learning</i> _ Research of relevant designs, and defining methodology for creating the program; _ Graphical and spatial presentations of analysis of location, function, and technology; _ Defining the project assignment for Master project; _ Oral presentation of Master Thesis			
Literature The type of literature depends on the typology, function, and location of the building.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 2	
SRW: 4			
Method of carrying out the teaching _ Lectures and presentations, _ Analysis and discussions.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
Colloquium	10		
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: MASTER THESIS AT -02			
Teacher(s): Professor Ph.D. Lidija S. Đokić			
Status of the subject: elective			
Number of ECTS credits: 5			
Conditions: The selection of the subject Master Thesis - AT depends on the selected subject Thematic Research - AT. It is also required that Thematic research is confirmed.			
Subject goal The Master Thesis aims to explore new design concepts in program and design terms and also the possibilities of applying new materials and technologies according to the broad thematic and spatial framework. This implies a holistic approach to architectural design towards meeting the new needs of contemporary society and embracing the need for sustainability in the energy and technological context. Analysis of relevant impacts, understanding, and study of the location, function, and technology of a given building should enable contemporary solutions to be accommodating and reflected through the spatial-functional, design and constructive concept of the building and its communication with the environment. The synthesis and application of all acquired knowledge are expected. The result should be the basis for the further design of a project for a master project.			
Outcome of the subject The outcome of the subject is the written thesis which presents the competence of synthesizing and application of acquired knowledge and especially knowledge in contemporary materials and technologies.			
Subject content <i>Practical learning</i> _Research of relevant designs, and defining methodology for creating the program; _Graphical and spatial presentations of analysis of location, function, and technology; _Defining the project assignment for Master project; _Oral presentation of Master Thesis			
Literature The type of literature depends on the typology, function, and location of the building.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 2	
SRW: 4			
Method of carrying out the teaching _Lectures and presentations, _Analysis and discussions.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
Colloquium	10		
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: MASTER THESIS AT -03			
Teacher(s): Associate Professor Ph.D. Aleksandar N. Rajčić			
Status of the subject: elective			
Number of ECTS credits: 5			
Conditions: The selection of the subject Master Thesis - AT depends on the selected subject Thematic Research - AT. It is also required that Thematic research is confirmed.			
Subject goal The Master Thesis aims to explore new design concepts in program and design terms and also the possibilities of applying new materials and technologies according to the broad thematic and spatial framework. This implies a holistic approach to architectural design towards meeting the new needs of contemporary society and embracing the need for sustainability in the energy and technological context. Analysis of relevant impacts, understanding, and study of the location, function, and technology of a given building should enable contemporary solutions to be accommodating and reflected through the spatial-functional, design and constructive concept of the building and its communication with the environment. The synthesis and application of all acquired knowledge are expected. The result should be the basis for the further design of a project for a master project.			
Outcome of the subject The outcome of the subject is the written thesis which presents the competence of synthesizing and application of acquired knowledge and especially knowledge in contemporary materials and technologies.			
Subject content <i>Practical learning</i> _ Research of relevant designs, and defining methodology for creating the program; _ Graphical and spatial presentations of analysis of location, function, and technology; _ Defining the project assignment for Master project; _ Oral presentation of Master Thesis			
Literature The type of literature depends on the typology, function, and location of the building.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 2	
SRW: 4			
Method of carrying out the teaching _ Lectures and presentations, _ Analysis and discussions.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
Colloquium	10		
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: MASTER THESIS AT -04			
Teacher(s): Associate Professor Ph.D. Budimir S. Sudimac			
Status of the subject: elective			
Number of ECTS credits: 5			
Conditions: The selection of the subject Master Thesis - AT depends on the selected subject Thematic Research - AT. It is also required that Thematic research is confirmed.			
Subject goal The Master Thesis aims to explore new design concepts in program and design terms and also the possibilities of applying new materials and technologies according to the broad thematic and spatial framework. This implies a holistic approach to architectural design towards meeting the new needs of contemporary society and embracing the need for sustainability in the energy and technological context. Analysis of relevant impacts, understanding, and study of the location, function, and technology of a given building should enable contemporary solutions to be accommodating and reflected through the spatial-functional, design and constructive concept of the building and its communication with the environment. The synthesis and application of all acquired knowledge are expected. The result should be the basis for the further design of a project for a master project.			
Outcome of the subject The outcome of the subject is the written thesis which presents the competence of synthesizing and application of acquired knowledge and especially knowledge in contemporary materials and technologies.			
Subject content <i>Practical learning</i> _ Research of relevant designs, and defining methodology for creating the program; _ Graphical and spatial presentations of analysis of location, function, and technology; _ Defining the project assignment for Master project; _ Oral presentation of Master Thesis			
Literature The type of literature depends on the typology, function, and location of the building.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 2	
SRW: 4			
Method of carrying out the teaching _ Lectures and presentations, _ Analysis and discussions.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
Colloquium	10		
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: MASTER THESIS AT -05			
Teacher(s): Associate Professor Ph.D. Dušan M. Ignjatović			
Status of the subject: elective			
Number of ECTS credits: 5			
Conditions: The selection of the subject Master Thesis - AT depends on the selected subject Thematic Research - AT. It is also required that Thematic research is confirmed.			
Subject goal The Master Thesis aims to explore new design concepts in program and design terms and also the possibilities of applying new materials and technologies according to the broad thematic and spatial framework. This implies a holistic approach to architectural design towards meeting the new needs of contemporary society and embracing the need for sustainability in the energy and technological context. Analysis of relevant impacts, understanding, and study of the location, function, and technology of a given building should enable contemporary solutions to be accommodating and reflected through the spatial-functional, design and constructive concept of the building and its communication with the environment. The synthesis and application of all acquired knowledge are expected. The result should be the basis for the further design of a project for a master project.			
Outcome of the subject The outcome of the subject is the written thesis which presents the competence of synthesizing and application of acquired knowledge and especially knowledge in contemporary materials and technologies.			
Subject content <i>Practical learning</i> _Research of relevant designs, and defining methodology for creating the program; _Graphical and spatial presentations of analysis of location, function, and technology; _Defining the project assignment for Master project; _Oral presentation of Master Thesis			
Literature The type of literature depends on the typology, function, and location of the building.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 2	
SRW: 4			
Method of carrying out the teaching _Lectures and presentations, _Analysis and discussions.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
Colloquium	10		
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: MASTER THESIS AT -06			
Teacher(s): Associate Professor Dragan N. Marčetić			
Status of the subject: elective			
Number of ECTS credits: 5			
Conditions: The selection of the subject Master Thesis - AT depends on the selected subject Thematic Research - AT. It is also required that Thematic research is confirmed.			
Subject goal The Master Thesis aims to explore new design concepts in program and design terms and also the possibilities of applying new materials and technologies according to the broad thematic and spatial framework. This implies a holistic approach to architectural design towards meeting the new needs of contemporary society and embracing the need for sustainability in the energy and technological context. Analysis of relevant impacts, understanding, and study of the location, function, and technology of a given building should enable contemporary solutions to be accommodating and reflected through the spatial-functional, design and constructive concept of the building and its communication with the environment. The synthesis and application of all acquired knowledge are expected. The result should be the basis for the further design of a project for a master project.			
Outcome of the subject The outcome of the subject is the written thesis which presents the competence of synthesizing and application of acquired knowledge and especially knowledge in contemporary materials and technologies.			
Subject content <i>Practical learning</i> _Research of relevant designs, and defining methodology for creating the program; _Graphical and spatial presentations of analysis of location, function, and technology; _Defining the project assignment for Master project; _Oral presentation of Master Thesis			
Literature The type of literature depends on the typology, function, and location of the building.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 2	
SRW: 4			
Method of carrying out the teaching _Lectures and presentations, _Analysis and discussions.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
Colloquium	10		
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: MASTER DESIGN PROJECT AT -01			
Teacher(s): Professor Ph.D. Branislav D. Žegarac			
Status of the subject: elective			
Number of ECTS credits: 12			
Conditions: The selection of the subject Master Design Project - AT depends on the selected subject Thematic Research – AT and Master Thesis - AT.			
Subject goal The main subject goal is to introduce students to the complex and multidisciplinary process of architectural-urban design. For the architectural design of the object, the aim is to achieve the starting points: the variability of content and communication with the environment, which affects the level of variability of the physical structure, and environmental sustainability, reflected through the selection of materials and energy efficiency of the object, regarding the concept of materialization. A narrower spatial framework can be an interpolation in an urban area, renovation of existing urban zones and structures, or the creation of new structures and public spaces. The structure of the thematic units that will be studied in the case of the defined task includes urban design, architectural design, and the potential of new technologies of materialization of architectural structures. Analysis of relevant impacts, understanding, and development of the defined project at a specific location, exploring the possibility of connecting the external and internal space, reducing the energy needs of the object, and also reducing the environmental pollution. The synthesis and application of all acquired knowledge are expected. The result of work should present one whole with a clear role in the context of the closer and further environment.			
Outcome of the subject The ability to link and implementation of acquired general and specific knowledge and skills in the area of design of representative architectural solutions, not only in certain content but also in terms of their techniques of materialization, with an emphasis on energy-efficient buildings, high living comfort, and environmental pollution reduction. Developing critical and complex approach skills, both in theoretical research and in the practical field of architectural and urban design. The ability to act competently in case of applying construction techniques and understanding their development, which contributes to the overall competence of the student.			
Subject content <i>Practical learning</i> _Research part: analysis of theoretical views and possibilities of their application on a specific project; _Graphical and spatial presentation of architectural and urban design with elements of preliminary design; _Oral public defense of Master Project			
Literature Type of literature depends on the typology, function, and location of the building.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 4	
SRW: 10			
Method of carrying out the teaching _Presentation; _Analysis and discussion: _Holistic (integral) approach in architectural design in accordance with the concept of sustainability.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
Colloquium	10		
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: MASTER DESIGN PROJECT AT -02			
Teacher(s): Professor Ph.D. Lidija S. Đokić			
Status of the subject: elective			
Number of ECTS credits: 12			
Conditions: The selection of the subject Master Design Project - AT depends on the selected subject Thematic Research – AT and Master Thesis - AT.			
Subject goal The main subject goal is to introduce students to the complex and multidisciplinary process of architectural-urban design. For the architectural design of the object, the aim is to achieve the starting points: the variability of content and communication with the environment, which affects the level of variability of the physical structure, and environmental sustainability, reflected through the selection of materials and energy efficiency of the object, regarding the concept of materialization. A narrower spatial framework can be an interpolation in an urban area, renovation of existing urban zones and structures, or the creation of new structures and public spaces. The structure of the thematic units that will be studied in the case of the defined task includes urban design, architectural design, and the potential of new technologies of materialization of architectural structures. Analysis of relevant impacts, understanding, and development of the defined project at a specific location, exploring the possibility of connecting the external and internal space, reducing the energy needs of the object, and also reducing the environmental pollution. The synthesis and application of all acquired knowledge are expected. The result of work should present one whole with a clear role in the context of the closer and further environment.			
Outcome of the subject The ability to link and implementation of acquired general and specific knowledge and skills in the area of design of representative architectural solutions, not only in certain content but also in terms of their techniques of materialization, with an emphasis on energy-efficient buildings, high living comfort, and environmental pollution reduction. Developing critical and complex approach skills, both in theoretical research and in the practical field of architectural and urban design. The ability to act competently in case of applying construction techniques and understanding their development, which contributes to the overall competence of the student.			
Subject content <i>Practical learning</i> _Research part: analysis of theoretical views and possibilities of their application on a specific project; _Graphical and spatial presentation of architectural and urban design with elements of preliminary design; _Oral public defense of Master Project			
Literature Type of literature depends on the typology, function, and location of the building.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 4	
SRW: 10			
Method of carrying out the teaching _Presentation; _Analysis and discussion: _Holistic (integral) approach in architectural design in accordance with the concept of sustainability.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
Colloquium	10		
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: MASTER DESIGN PROJECT AT -03			
Teacher(s): Associate Professor Ph.D. Aleksandar N. Rajčić			
Status of the subject: elective			
Number of ECTS credits: 12			
Conditions: The selection of the subject Master Design Project - AT depends on the selected subject Thematic Research – AT and Master Thesis - AT.			
Subject goal The main subject goal is to introduce students to the complex and multidisciplinary process of architectural-urban design. For the architectural design of the object, the aim is to achieve the starting points: the variability of content and communication with the environment, which affects the level of variability of the physical structure, and environmental sustainability, reflected through the selection of materials and energy efficiency of the object, regarding the concept of materialization. A narrower spatial framework can be an interpolation in an urban area, renovation of existing urban zones and structures, or the creation of new structures and public spaces. The structure of the thematic units that will be studied in the case of the defined task includes urban design, architectural design, and the potential of new technologies of materialization of architectural structures. Analysis of relevant impacts, understanding, and development of the defined project at a specific location, exploring the possibility of connecting the external and internal space, reducing the energy needs of the object, and also reducing the environmental pollution. The synthesis and application of all acquired knowledge are expected. The result of work should present one whole with a clear role in the context of the closer and further environment.			
Outcome of the subject The ability to link and implementation of acquired general and specific knowledge and skills in the area of design of representative architectural solutions, not only in certain content but also in terms of their techniques of materialization, with an emphasis on energy-efficient buildings, high living comfort, and environmental pollution reduction. Developing critical and complex approach skills, both in theoretical research and in the practical field of architectural and urban design. The ability to act competently in case of applying construction techniques and understanding their development, which contributes to the overall competence of the student.			
Subject content <i>Practical learning</i> _Research part: analysis of theoretical views and possibilities of their application on a specific project; _Graphical and spatial presentation of architectural and urban design with elements of preliminary design; _Oral public defense of Master Project			
Literature Type of literature depends on the typology, function, and location of the building.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 4	
SRW: 10			
Method of carrying out the teaching _Presentation; _Analysis and discussion: _Holistic (integral) approach in architectural design in accordance with the concept of sustainability.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
Colloquium	10		
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: MASTER DESIGN PROJECT AT -04			
Teacher(s): Associate Professor Ph.D. Budimir S. Sudimac			
Status of the subject: elective			
Number of ECTS credits: 12			
Conditions: The selection of the subject Master Design Project - AT depends on the selected subject Thematic Research – AT and Master Thesis - AT.			
Subject goal The main subject goal is to introduce students to the complex and multidisciplinary process of architectural-urban design. For the architectural design of the object, the aim is to achieve the starting points: the variability of content and communication with the environment, which affects the level of variability of the physical structure, and environmental sustainability, reflected through the selection of materials and energy efficiency of the object, regarding the concept of materialization. A narrower spatial framework can be an interpolation in an urban area, renovation of existing urban zones and structures, or the creation of new structures and public spaces. The structure of the thematic units that will be studied in the case of the defined task includes urban design, architectural design, and the potential of new technologies of materialization of architectural structures. Analysis of relevant impacts, understanding, and development of the defined project at a specific location, exploring the possibility of connecting the external and internal space, reducing the energy needs of the object, and also reducing the environmental pollution. The synthesis and application of all acquired knowledge are expected. The result of work should present one whole with a clear role in the context of the closer and further environment.			
Outcome of the subject The ability to link and implementation of acquired general and specific knowledge and skills in the area of design of representative architectural solutions, not only in certain content but also in terms of their techniques of materialization, with an emphasis on energy-efficient buildings, high living comfort, and environmental pollution reduction. Developing critical and complex approach skills, both in theoretical research and in the practical field of architectural and urban design. The ability to act competently in case of applying construction techniques and understanding their development, which contributes to the overall competence of the student.			
Subject content <i>Practical learning</i> _Research part: analysis of theoretical views and possibilities of their application on a specific project; _Graphical and spatial presentation of architectural and urban design with elements of preliminary design; _Oral public defense of Master Project			
Literature Type of literature depends on the typology, function, and location of the building.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 4	
SRW: 10			
Method of carrying out the teaching _Presentation; _Analysis and discussion: _Holistic (integral) approach in architectural design in accordance with the concept of sustainability.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
Colloquium	10		
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: MASTER DESIGN PROJECT AT -05			
Teacher(s): Associate Professor Ph.D. Dušan M. Ignjatović			
Status of the subject: elective			
Number of ECTS credits: 12			
Conditions: The selection of the subject Master Design Project - AT depends on the selected subject Thematic Research – AT and Master Thesis - AT.			
Subject goal The main subject goal is to introduce students to the complex and multidisciplinary process of architectural-urban design. For the architectural design of the object, the aim is to achieve the starting points: the variability of content and communication with the environment, which affects the level of variability of the physical structure, and environmental sustainability, reflected through the selection of materials and energy efficiency of the object, regarding the concept of materialization. A narrower spatial framework can be an interpolation in an urban area, renovation of existing urban zones and structures, or the creation of new structures and public spaces. The structure of the thematic units that will be studied in the case of the defined task includes urban design, architectural design, and the potential of new technologies of materialization of architectural structures. Analysis of relevant impacts, understanding, and development of the defined project at a specific location, exploring the possibility of connecting the external and internal space, reducing the energy needs of the object, and also reducing the environmental pollution. The synthesis and application of all acquired knowledge are expected. The result of work should present one whole with a clear role in the context of the closer and further environment.			
Outcome of the subject The ability to link and implementation of acquired general and specific knowledge and skills in the area of design of representative architectural solutions, not only in certain content but also in terms of their techniques of materialization, with an emphasis on energy-efficient buildings, high living comfort, and environmental pollution reduction. Developing critical and complex approach skills, both in theoretical research and in the practical field of architectural and urban design. The ability to act competently in case of applying construction techniques and understanding their development, which contributes to the overall competence of the student.			
Subject content <i>Practical learning</i> _Research part: analysis of theoretical views and possibilities of their application on a specific project; _Graphical and spatial presentation of architectural and urban design with elements of preliminary design; _Oral public defense of Master Project			
Literature Type of literature depends on the typology, function, and location of the building.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 4	
SRW: 10			
Method of carrying out the teaching _Presentation; _Analysis and discussion: _Holistic (integral) approach in architectural design in accordance with the concept of sustainability.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
Colloquium	10		
Seminar(s)			

Study program: Master academic studies – Architecture _ Module AT / Integrated bachelor and master academic studies of architecture			
Name of the subject: MASTER DESIGN PROJECT AT -06			
Teacher(s): Associate Professor Dragan N. Marčetić			
Status of the subject: elective			
Number of ECTS credits: 12			
Conditions: The selection of the subject Master Design Project - AT depends on the selected subject Thematic Research – AT and Master Thesis - AT.			
Subject goal The main subject goal is to introduce students to the complex and multidisciplinary process of architectural-urban design. For the architectural design of the object, the aim is to achieve the starting points: the variability of content and communication with the environment, which affects the level of variability of the physical structure, and environmental sustainability, reflected through the selection of materials and energy efficiency of the object, regarding the concept of materialization. A narrower spatial framework can be an interpolation in an urban area, renovation of existing urban zones and structures, or the creation of new structures and public spaces. The structure of the thematic units that will be studied in the case of the defined task includes urban design, architectural design, and the potential of new technologies of materialization of architectural structures. Analysis of relevant impacts, understanding, and development of the defined project at a specific location, exploring the possibility of connecting the external and internal space, reducing the energy needs of the object, and also reducing the environmental pollution. The synthesis and application of all acquired knowledge are expected. The result of work should present one whole with a clear role in the context of the closer and further environment.			
Outcome of the subject The ability to link and implementation of acquired general and specific knowledge and skills in the area of design of representative architectural solutions, not only in certain content but also in terms of their techniques of materialization, with an emphasis on energy-efficient buildings, high living comfort, and environmental pollution reduction. Developing critical and complex approach skills, both in theoretical research and in the practical field of architectural and urban design. The ability to act competently in case of applying construction techniques and understanding their development, which contributes to the overall competence of the student.			
Subject content <i>Practical learning</i> _Research part: analysis of theoretical views and possibilities of their application on a specific project; _Graphical and spatial presentation of architectural and urban design with elements of preliminary design; _Oral public defense of Master Project			
Literature Type of literature depends on the typology, function, and location of the building.			
Number of active teaching classes			Other: /
Lectures: 0	Exercises: 0	OFL: 4	
SRW: 10			
Method of carrying out the teaching _Presentation; _Analysis and discussion: _Holistic (integral) approach in architectural design in accordance with the concept of sustainability.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
Colloquium	10		
Seminar(s)			

ELECTIVE COURSES - Module AE

Module ARCHITECTURAL ENGINEERING

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE				
Name of the subject: THEMATIC RESEARCH – AE -01				
Teacher(s): dr Nenead D. Šekularac, full professor				
Status of the subject: elective				
Number of ECTS credits: 5				
Conditions:				
Subject goal The final part of the Master's academic studies program - Architecture_Modul AE consists of four sections: Thematic research - AE, Master thesis - AE, Master design project - AE, and Master final project - AE. Within thematic research, thesis, design project, and final project, the student independently integrates all acquired knowledge and skills, manages the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units through the process of research, formulation, conception, and development of a project. Thematic research is an individual study at the highest and most complex level of the master stage of the study, which includes the investigation and processing of general and specific topics according to the thematic framework. The objective of the course is for the student to form a corpus of information and data using different research strategies and tactics as the basis and preparation for further Master thesis, Master design project, and Master final project activities. The course also aims to define the research topic, to focus the research problem, and to form an overview of the literature and other sources.				
Outcome of the subject The Thematic Research course is intended to stimulate and improve students' research potential and provide the knowledge, skills, and other competencies required for further work on Master thesis, Master design project, and Master final design.				
Subject content <i>Theory / Practical learning</i> Through a combination of lectures and interactive teaching, students are directed to formulate individual research topics. The course improves skills and knowledge of contemporary concepts and theoretical assumptions in the field of structural design in architecture, research methods, and, in particular, design research methods, defines the thematic framework more closely, aligns individual topics with research objectives and associates them with work on a practical assignment. Freelance research involves working on relevant literature and exploring contextual and historical facts; contemporary analog contents, functions, models and architectural artifacts; modern technologies, methods, and tools for designing and constructing different types of structural systems; contemporary approaches and methods of reconstruction and protection of the architectural heritage; as well as diverse technical solutions and other topics relevant to the field of architectural engineering.				
Literature The literature is defined in accordance with the assignment, and contains bibliographic units recommended by the mentor and / or suggested by the student and accepted by the mentor, which relate to: - thematic framework and research problem, and - research methodology.				
Number of active teaching classes			Other: 0	
Lectures: 2	Exercises: 0	OFL: 0		
SRW: 4				
Method of carrying out the teaching Various forms of work are applied in the realization of teaching, such as lectures, interactive forms of teaching, student's independent research work, etc.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		points	Final exam	points

Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium			
Seminar(s)			

Table 5.2 Specification of subject

12 Specification of subject				
Study program: Master academic studies Architecture _ Module AE				
Name of the subject: THEMATIC RESEARCH – AE -02				
Teacher(s): dr Žikica M. Tekić, associate professor				
Status of the subject: elective				
Number of ECTS credits: 5				
Conditions:				
Subject goal				
<p>The final part of the Master's academic studies program - Architecture_Modul AE consists of four sections: Thematic research - AE, Master thesis - AE, Master design project - AE, and Master final project - AE. Within thematic research, thesis, design project, and final project, the student independently integrates all acquired knowledge and skills, manages the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units through the process of research, formulation, conception, and development of a project.</p> <p>Thematic research is an individual study at the highest and most complex level of the master stage of the study, which includes the investigation and processing of general and specific topics according to the thematic framework. The objective of the course is for the student to form a corpus of information and data using different research strategies and tactics as the basis and preparation for further Master thesis, Master design project, and Master final project activities. The course also aims to define the research topic, to focus the research problem, and to form an overview of the literature and other sources.</p>				
Outcome of the subject				
<p>The Thematic Research course is intended to stimulate and improve students' research potential and provide the knowledge, skills, and other competencies required for further work on Master thesis, Master design project, and Master final design.</p>				
Subject content				
Theory / Practical learning				
<p>Through a combination of lectures and interactive teaching, students are directed to formulate individual research topics. The course improves skills and knowledge of contemporary concepts and theoretical assumptions in the field of structural design in architecture, research methods, and, in particular, design research methods, defines the thematic framework more closely, aligns individual topics with research objectives and associates them with work on a practical assignment.</p> <p>Freelance research involves working on relevant literature and exploring contextual and historical facts; contemporary analog contents, functions, models and architectural artifacts; modern technologies, methods, and tools for designing and constructing different types of structural systems; contemporary approaches and methods of reconstruction and protection of the architectural heritage; as well as diverse technical solutions and other topics relevant to the field of architectural engineering.</p>				
Literature				
<p>The literature is defined in accordance with the assignment, and contains bibliographic units recommended by the mentor and / or suggested by the student and accepted by the mentor, which relate to:</p> <ul style="list-style-type: none">- thematic framework and research problem, and- research methodology.				
Number of active teaching classes			Other: 0	
Lectures: 2	Exercises: 0	OFL: 0		
SRW: 4				
Method of carrying out the teaching				
<p>Various forms of work are applied in the realization of teaching, such as lectures, interactive forms of teaching, student's independent research work, etc.</p>				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		points	Final exam	points

Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium			
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE				
Name of the subject: THEMATIC RESEARCH – AE -03				
Teacher(s): dr Aleksandra S. Nenadović, assistant professor				
Status of the subject: elective				
Number of ECTS credits: 5				
Conditions:				
Subject goal The final part of the Master's academic studies program - Architecture_Modul AE consists of four sections: Thematic research - AE, Master thesis - AE, Master design project - AE, and Master final project - AE. Within thematic research, thesis, design project, and final project, the student independently integrates all acquired knowledge and skills, manages the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units through the process of research, formulation, conception, and development of a project. Thematic research is an individual study at the highest and most complex level of the master stage of the study, which includes the investigation and processing of general and specific topics according to the thematic framework. The objective of the course is for the student to form a corpus of information and data using different research strategies and tactics as the basis and preparation for further Master thesis, Master design project, and Master final project activities. The course also aims to define the research topic, to focus the research problem, and to form an overview of the literature and other sources.				
Outcome of the subject The Thematic Research course is intended to stimulate and improve students' research potential and provide the knowledge, skills, and other competencies required for further work on Master thesis, Master design project, and Master final design.				
Subject content <i>Theory / Practical learning</i> Through a combination of lectures and interactive teaching, students are directed to formulate individual research topics. The course improves skills and knowledge of contemporary concepts and theoretical assumptions in the field of structural design in architecture, research methods, and, in particular, design research methods, defines the thematic framework more closely, aligns individual topics with research objectives and associates them with work on a practical assignment. Freelance research involves working on relevant literature and exploring contextual and historical facts; contemporary analog contents, functions, models and architectural artifacts; modern technologies, methods, and tools for designing and constructing different types of structural systems; contemporary approaches and methods of reconstruction and protection of the architectural heritage; as well as diverse technical solutions and other topics relevant to the field of architectural engineering.				
Literature The literature is defined in accordance with the assignment, and contains bibliographic units recommended by the mentor and / or suggested by the student and accepted by the mentor, which relate to: - thematic framework and research problem, and - research methodology.				
Number of active teaching classes			Other: 0	
Lectures: 2	Exercises: 0	OFL: 0		
SRW: 4				
Method of carrying out the teaching Various forms of work are applied in the realization of teaching, such as lectures, interactive forms of teaching, student's independent research work, etc.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		points	Final exam	points

Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium			
Seminar(s)			

Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium			
Seminar(s)			

Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium			
Seminar(s)			

Activity during lectures		Written exam	
Practical teaching		Oral exam	
colloquium			
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE				
Name of the subject: MASTER THESIS – AE -01				
Teacher(s): dr Nenead D. Šekularac, full professor				
Status of the subject: elective				
Number of ECTS credits: 5				
Conditions: The selection of the subject Master Thesis - AE depends on the selected subject Thematic Research - AE. It is also required that Thematic research is confirmed.				
Subject goal The final part of the Master's academic studies program - Architecture_Modul AE consists of four sections: Thematic research - AE, Master thesis - AE, Master design project - AE, and Master final project - AE. Within thematic research, thesis, design project, and final project, the student independently integrates all acquired knowledge and skills, manages the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units through the process of research, formulation, conception, and development of a project. Master Thesis - AE is a continuation of the research started within the subject Thematic Research - AE. It is realized as individual inquiry at the highest and most complex level of the Master's level of study and involves setting and testing hypotheses by research. The objective of the course is to instrumentalize the results of preliminary research into information useful for designing the project solution, applying the methodological knowledge - a thesis that will be verified through the design. Also objective is to carry out the research that is the basis for the realization of further activities on the Master design project - AE and Master final project - AE, as well as organizing and presenting the results of his research.				
Outcome of the subject The course is expected to stimulate and enhance students' research potential and contribute to the development of research, analysis, critical, creative thinking, communication skills, as well as other competencies necessary for research work and communication of its results.				
Subject content <i>Theory / Practical learning</i> Starting from the results of the course Thematic research - AE: defined topic, research problem, review of reference literature and other sources, working on a master thesis involves: defining hypothesis, appropriate research methodologies, data analysis and processing, presentation and discussion of results, drawing conclusions and providing guidance for further activities to be implemented within the Master design project and the Master final project. In this subject, the research findings are organized in the form of written work of adequate structure, form and volume, orally presented, defended, and valorized in terms of clarity, methodological precision, and cognitive motives.				
Literature The literature is defined in accordance with the assignment, and contains bibliographic units recommended by the mentor and / or suggested by the student and accepted by the mentor, which relate to: - thematic framework and research problem, and - research methodology.				
Number of active teaching classes			Other: /	
Lectures: 0	Exercises: 0	OFL: 2		
SRW: 4				
Method of carrying out the teaching Various forms of work are applied in the realization of teaching, such as lectures, interactive forms of teaching, student's independent research work, mentoring, etc. The Master thesis is defended orally publicly before the committee.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		points	Final exam	points

Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10		
Seminar(s)			

Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10		
Seminar(s)			

Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE				
Name of the subject: MASTER THESIS – AE -04				
Teacher(s): dr Jelena Ž. Milošević, assistant professor				
Status of the subject: elective				
Number of ECTS credits: 5				
Conditions: The selection of the subject Master Thesis - AE depends on the selected subject Thematic Research - AE. It is also required that Thematic research is confirmed.				
Subject goal The final part of the Master's academic studies program - Architecture_Modul AE consists of four sections: Thematic research - AE, Master thesis - AE, Master design project - AE, and Master final project - AE. Within thematic research, thesis, design project, and final project, the student independently integrates all acquired knowledge and skills, manages the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units through the process of research, formulation, conception, and development of a project. Master Thesis - AE is a continuation of the research started within the subject Thematic Research - AE. It is realized as individual inquiry at the highest and most complex level of the Master's level of study and involves setting and testing hypotheses by research. The objective of the course is to instrumentalize the results of preliminary research into information useful for designing the project solution, applying the methodological knowledge - a thesis that will be verified through the design. Also objective is to carry out the research that is the basis for the realization of further activities on the Master design project - AE and Master final project - AE, as well as organizing and presenting the results of his research.				
Outcome of the subject The course is expected to stimulate and enhance students' research potential and contribute to the development of research, analysis, critical, creative thinking, communication skills, as well as other competencies necessary for research work and communication of its results.				
Subject content <i>Theory / Practical learning</i> Starting from the results of the course Thematic research - AE: defined topic, research problem, review of reference literature and other sources, working on a master thesis involves: defining hypothesis, appropriate research methodologies, data analysis and processing, presentation and discussion of results, drawing conclusions and providing guidance for further activities to be implemented within the Master design project and the Master final project. In this subject, the research findings are organized in the form of written work of adequate structure, form and volume, orally presented, defended, and valorized in terms of clarity, methodological precision, and cognitive motives.				
Literature The literature is defined in accordance with the assignment, and contains bibliographic units recommended by the mentor and / or suggested by the student and accepted by the mentor, which relate to: - thematic framework and research problem, and - research methodology.				
Number of active teaching classes			Other: /	
Lectures: 0	Exercises: 0	OFL: 2		
SRW: 4				
Method of carrying out the teaching Various forms of work are applied in the realization of teaching, such as lectures, interactive forms of teaching, student's independent research work, mentoring, etc. The Master thesis is defended orally publicly before the committee.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations		points	Final exam	points

Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10		
Seminar(s)			

Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10		
Seminar(s)			

Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE				
Name of the subject: MASTER DESIGN PROJECT – AE -01				
Teacher(s): dr Nenead D. Šekularac, full professor				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: The selection of the subject Master Design Project - AE depends on the selected subject Thematic Research – AE and Master Thesis - AE.				
Subject goal <p>The final part of the Master's academic studies program – Architecture _ Modul AE consists of four sections: Thematic research - AE, Master thesis - AE, Master design project - AE, and Master final project - AE. Within thematic research, thesis, design project, and final project, the student independently integrates all acquired knowledge and skills, manages the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units through the process of research, formulation, conception, and development of a project.</p> <p>Master Design Project - AE represents work at the highest and most complex level of a master's level of study with a clearly identifiable research component - research by design. The objective of the course is to examine the settings of the Master thesis - AE, by applying adequate design methods, analytical and generic studies, through the process of conceptualizing and presenting architectural and structural design proposal for the defined spatial and program framework, which will be the basis for the realization of further activities in the Master final design - AE.</p>				
Outcome of the subject <p>The course is expected to stimulate and enhance students' research potential and contribute to the development of research, analysis, critical, creative thinking, and communication skills, as well as other competencies necessary for research work and communication of its results.</p> <p>The student is also expected to acquire skills related to the design methodology and development of an architectural design that meets functional, aesthetic and technical requirements; understanding the relationship between a person and an object and an object and its environment; understanding of structural systems of construction and structural problems relevant to architectural design; ability to creatively approach design problems and solve them using adequate methods and tools integrating knowledge acquired from different fields in order to apply them in the context of architecture.</p>				
Subject content <i>Theory / Practical learning</i> <p>Teaching is conceptualized as design research and involves working on a specific assignment. Starting from the results of the Thematic Research - AE and Master thesis - AE, that is, defined thematic, spatial and program framework, activities within the Master design project - AE is realized through a process that involves working on reference literature and sources, as well as using adequate analytical, generic and model research in the process of forming an architectural-urban concept and the concept of a structural system. The results of the research by design are presented in the form of elaborate of defined content, with contributions of an adequate level of development and graphic processing, verbally defending and valorizing from the aspect of programmatic, formal, structural and cognitive motives that influenced the development of the design proposal.</p>				
Literature <p>The literature is defined in accordance with the assignment, and contains bibliographic units recommended by the mentor and / or suggested by the student and accepted by the mentor, which relate to:</p> <ul style="list-style-type: none"> - thematic, program and spatial framework, and - design research methodology. 				
Number of active teaching classes				Other: /
Lectures: 0	Exercises: 0	OFL: 4	SRW: 10	

Method of carrying out the teaching			
Various forms of work are applied in the realization of teaching, such as lectures, interactive forms of teaching, student's independent research work, mentoring, etc. The Master design project is defended orally publicly before the committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE				
Name of the subject: MASTER DESIGN PROJECT – AE -02				
Teacher(s): dr Žikica M. Tekić, associate professor				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: The selection of the subject Master Design Project - AE depends on the selected subject Thematic Research – AE and Master Thesis - AE.				
Subject goal <p>The final part of the Master's academic studies program – Architecture _ Modul AE consists of four sections: Thematic research - AE, Master thesis - AE, Master design project - AE, and Master final project - AE. Within thematic research, thesis, design project, and final project, the student independently integrates all acquired knowledge and skills, manages the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units through the process of research, formulation, conception, and development of a project.</p> <p>Master Design Project - AE represents work at the highest and most complex level of a master's level of study with a clearly identifiable research component - research by design. The objective of the course is to examine the settings of the Master thesis - AE, by applying adequate design methods, analytical and generic studies, through the process of conceptualizing and presenting architectural and structural design proposal for the defined spatial and program framework, which will be the basis for the realization of further activities in the Master final design - AE.</p>				
Outcome of the subject <p>The course is expected to stimulate and enhance students' research potential and contribute to the development of research, analysis, critical, creative thinking, and communication skills, as well as other competencies necessary for research work and communication of its results.</p> <p>The student is also expected to acquire skills related to the design methodology and development of an architectural design that meets functional, aesthetic and technical requirements; understanding the relationship between a person and an object and an object and its environment; understanding of structural systems of construction and structural problems relevant to architectural design; ability to creatively approach design problems and solve them using adequate methods and tools integrating knowledge acquired from different fields in order to apply them in the context of architecture.</p>				
Subject content <i>Theory / Practical learning</i> <p>Teaching is conceptualized as design research and involves working on a specific assignment. Starting from the results of the Thematic Research - AE and Master thesis - AE, that is, defined thematic, spatial and program framework, activities within the Master design project - AE is realized through a process that involves working on reference literature and sources, as well as using adequate analytical, generic and model research in the process of forming an architectural-urban concept and the concept of a structural system. The results of the research by design are presented in the form of elaborate of defined content, with contributions of an adequate level of development and graphic processing, verbally defending and valorizing from the aspect of programmatic, formal, structural and cognitive motives that influenced the development of the design proposal.</p>				
Literature <p>The literature is defined in accordance with the assignment, and contains bibliographic units recommended by the mentor and / or suggested by the student and accepted by the mentor, which relate to:</p> <ul style="list-style-type: none"> - thematic, program and spatial framework, and - design research methodology. 				
Number of active teaching classes				Other: /
Lectures: 0	Exercises: 0	OFL: 4	SRW: 10	

Method of carrying out the teaching			
Various forms of work are applied in the realization of teaching, such as lectures, interactive forms of teaching, student's independent research work, mentoring, etc. The Master design project is defended orally publicly before the committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE				
Name of the subject: MASTER DESIGN PROJECT – AE -03				
Teacher(s): dr Aleksandra S. Nenadović, assistant professor				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: The selection of the subject Master Design Project - AE depends on the selected subject Thematic Research – AE and Master Thesis - AE.				
Subject goal <p>The final part of the Master's academic studies program – Architecture _ Modul AE consists of four sections: Thematic research - AE, Master thesis - AE, Master design project - AE, and Master final project - AE. Within thematic research, thesis, design project, and final project, the student independently integrates all acquired knowledge and skills, manages the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units through the process of research, formulation, conception, and development of a project.</p> <p>Master Design Project - AE represents work at the highest and most complex level of a master's level of study with a clearly identifiable research component - research by design. The objective of the course is to examine the settings of the Master thesis - AE, by applying adequate design methods, analytical and generic studies, through the process of conceptualizing and presenting architectural and structural design proposal for the defined spatial and program framework, which will be the basis for the realization of further activities in the Master final design - AE.</p>				
Outcome of the subject <p>The course is expected to stimulate and enhance students' research potential and contribute to the development of research, analysis, critical, creative thinking, and communication skills, as well as other competencies necessary for research work and communication of its results.</p> <p>The student is also expected to acquire skills related to the design methodology and development of an architectural design that meets functional, aesthetic and technical requirements; understanding the relationship between a person and an object and an object and its environment; understanding of structural systems of construction and structural problems relevant to architectural design; ability to creatively approach design problems and solve them using adequate methods and tools integrating knowledge acquired from different fields in order to apply them in the context of architecture.</p>				
Subject content <i>Theory / Practical learning</i> <p>Teaching is conceptualized as design research and involves working on a specific assignment. Starting from the results of the Thematic Research - AE and Master thesis - AE, that is, defined thematic, spatial and program framework, activities within the Master design project - AE is realized through a process that involves working on reference literature and sources, as well as using adequate analytical, generic and model research in the process of forming an architectural-urban concept and the concept of a structural system. The results of the research by design are presented in the form of elaborate of defined content, with contributions of an adequate level of development and graphic processing, verbally defending and valorizing from the aspect of programmatic, formal, structural and cognitive motives that influenced the development of the design proposal.</p>				
Literature <p>The literature is defined in accordance with the assignment, and contains bibliographic units recommended by the mentor and / or suggested by the student and accepted by the mentor, which relate to:</p> <ul style="list-style-type: none"> - thematic, program and spatial framework, and - design research methodology. 				
Number of active teaching classes				Other: /
Lectures: 0	Exercises: 0	OFL: 4	SRW: 10	

Method of carrying out the teaching			
Various forms of work are applied in the realization of teaching, such as lectures, interactive forms of teaching, student's independent research work, mentoring, etc. The Master design project is defended orally publicly before the committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE				
Name of the subject: MASTER DESIGN PROJECT – AE -04				
Teacher(s): dr Jelena Ž. Milošević, assistant professor				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: The selection of the subject Master Design Project - AE depends on the selected subject Thematic Research – AE and Master Thesis - AE.				
Subject goal <p>The final part of the Master's academic studies program – Architecture _ Modul AE consists of four sections: Thematic research - AE, Master thesis - AE, Master design project - AE, and Master final project - AE. Within thematic research, thesis, design project, and final project, the student independently integrates all acquired knowledge and skills, manages the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units through the process of research, formulation, conception, and development of a project.</p> <p>Master Design Project - AE represents work at the highest and most complex level of a master's level of study with a clearly identifiable research component - research by design. The objective of the course is to examine the settings of the Master thesis - AE, by applying adequate design methods, analytical and generic studies, through the process of conceptualizing and presenting architectural and structural design proposal for the defined spatial and program framework, which will be the basis for the realization of further activities in the Master final design - AE.</p>				
Outcome of the subject <p>The course is expected to stimulate and enhance students' research potential and contribute to the development of research, analysis, critical, creative thinking, and communication skills, as well as other competencies necessary for research work and communication of its results.</p> <p>The student is also expected to acquire skills related to the design methodology and development of an architectural design that meets functional, aesthetic and technical requirements; understanding the relationship between a person and an object and an object and its environment; understanding of structural systems of construction and structural problems relevant to architectural design; ability to creatively approach design problems and solve them using adequate methods and tools integrating knowledge acquired from different fields in order to apply them in the context of architecture.</p>				
Subject content <i>Theory / Practical learning</i> <p>Teaching is conceptualized as design research and involves working on a specific assignment. Starting from the results of the Thematic Research - AE and Master thesis - AE, that is, defined thematic, spatial and program framework, activities within the Master design project - AE is realized through a process that involves working on reference literature and sources, as well as using adequate analytical, generic and model research in the process of forming an architectural-urban concept and the concept of a structural system. The results of the research by design are presented in the form of elaborate of defined content, with contributions of an adequate level of development and graphic processing, verbally defending and valorizing from the aspect of programmatic, formal, structural and cognitive motives that influenced the development of the design proposal.</p>				
Literature <p>The literature is defined in accordance with the assignment, and contains bibliographic units recommended by the mentor and / or suggested by the student and accepted by the mentor, which relate to:</p> <ul style="list-style-type: none"> - thematic, program and spatial framework, and - design research methodology. 				
Number of active teaching classes				Other: /
Lectures: 0	Exercises: 0	OFL: 4	SRW: 10	

Method of carrying out the teaching			
Various forms of work are applied in the realization of teaching, such as lectures, interactive forms of teaching, student's independent research work, mentoring, etc. The Master design project is defended orally publicly before the committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE				
Name of the subject: MASTER DESIGN PROJECT – AE -05				
Teacher(s): dr Dejan T. Vasović, assistant professor				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: The selection of the subject Master Design Project - AE depends on the selected subject Thematic Research – AE and Master Thesis - AE.				
Subject goal <p>The final part of the Master's academic studies program – Architecture _ Modul AE consists of four sections: Thematic research - AE, Master thesis - AE, Master design project - AE, and Master final project - AE. Within thematic research, thesis, design project, and final project, the student independently integrates all acquired knowledge and skills, manages the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units through the process of research, formulation, conception, and development of a project.</p> <p>Master Design Project - AE represents work at the highest and most complex level of a master's level of study with a clearly identifiable research component - research by design. The objective of the course is to examine the settings of the Master thesis - AE, by applying adequate design methods, analytical and generic studies, through the process of conceptualizing and presenting architectural and structural design proposal for the defined spatial and program framework, which will be the basis for the realization of further activities in the Master final design - AE.</p>				
Outcome of the subject <p>The course is expected to stimulate and enhance students' research potential and contribute to the development of research, analysis, critical, creative thinking, and communication skills, as well as other competencies necessary for research work and communication of its results.</p> <p>The student is also expected to acquire skills related to the design methodology and development of an architectural design that meets functional, aesthetic and technical requirements; understanding the relationship between a person and an object and an object and its environment; understanding of structural systems of construction and structural problems relevant to architectural design; ability to creatively approach design problems and solve them using adequate methods and tools integrating knowledge acquired from different fields in order to apply them in the context of architecture.</p>				
Subject content <i>Theory / Practical learning</i> <p>Teaching is conceptualized as design research and involves working on a specific assignment. Starting from the results of the Thematic Research - AE and Master thesis - AE, that is, defined thematic, spatial and program framework, activities within the Master design project - AE is realized through a process that involves working on reference literature and sources, as well as using adequate analytical, generic and model research in the process of forming an architectural-urban concept and the concept of a structural system. The results of the research by design are presented in the form of elaborate of defined content, with contributions of an adequate level of development and graphic processing, verbally defending and valorizing from the aspect of programmatic, formal, structural and cognitive motives that influenced the development of the design proposal.</p>				
Literature <p>The literature is defined in accordance with the assignment, and contains bibliographic units recommended by the mentor and / or suggested by the student and accepted by the mentor, which relate to:</p> <ul style="list-style-type: none"> - thematic, program and spatial framework, and - design research methodology. 				
Number of active teaching classes				Other: /
Lectures: 0	Exercises: 0	OFL: 4	SRW: 10	

Method of carrying out the teaching			
Various forms of work are applied in the realization of teaching, such as lectures, interactive forms of teaching, student's independent research work, mentoring, etc. The Master design project is defended orally publicly before the committee.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Activity during lectures		Written exam	50
Practical teaching	30	Oral exam	10
colloquium	10		
Seminar(s)			

Table 5.2 Specification of subject

Study program: Master academic studies Architecture _ Module AE				
Name of the subject: MASTER DESIGN PROJECT – AE -06				
Teacher(s): dr Jefto T. Terzović, assistant professor				
Status of the subject: elective				
Number of ECTS credits: 12				
Conditions: The selection of the subject Master Design Project - AE depends on the selected subject Thematic Research – AE and Master Thesis - AE.				
Subject goal <p>The final part of the Master's academic studies program – Architecture _ Modul AE consists of four sections: Thematic research - AE, Master thesis - AE, Master design project - AE, and Master final project - AE. Within thematic research, thesis, design project, and final project, the student independently integrates all acquired knowledge and skills, manages the process of research, conceptualization, design, construction, and materialization of complex architectural and urban units through the process of research, formulation, conception, and development of a project.</p> <p>Master Design Project - AE represents work at the highest and most complex level of a master's level of study with a clearly identifiable research component - research by design. The objective of the course is to examine the settings of the Master thesis - AE, by applying adequate design methods, analytical and generic studies, through the process of conceptualizing and presenting architectural and structural design proposal for the defined spatial and program framework, which will be the basis for the realization of further activities in the Master final design - AE.</p>				
Outcome of the subject <p>The course is expected to stimulate and enhance students' research potential and contribute to the development of research, analysis, critical, creative thinking, and communication skills, as well as other competencies necessary for research work and communication of its results.</p> <p>The student is also expected to acquire skills related to the design methodology and development of an architectural design that meets functional, aesthetic and technical requirements; understanding the relationship between a person and an object and an object and its environment; understanding of structural systems of construction and structural problems relevant to architectural design; ability to creatively approach design problems and solve them using adequate methods and tools integrating knowledge acquired from different fields in order to apply them in the context of architecture.</p>				
Subject content <i>Theory / Practical learning</i> <p>Teaching is conceptualized as design research and involves working on a specific assignment. Starting from the results of the Thematic Research - AE and Master thesis - AE, that is, defined thematic, spatial and program framework, activities within the Master design project - AE is realized through a process that involves working on reference literature and sources, as well as using adequate analytical, generic and model research in the process of forming an architectural-urban concept and the concept of a structural system. The results of the research by design are presented in the form of elaborate of defined content, with contributions of an adequate level of development and graphic processing, verbally defending and valorizing from the aspect of programmatic, formal, structural and cognitive motives that influenced the development of the design proposal.</p>				
Literature <p>The literature is defined in accordance with the assignment, and contains bibliographic units recommended by the mentor and / or suggested by the student and accepted by the mentor, which relate to:</p> <ul style="list-style-type: none"> - thematic, program and spatial framework, and - design research methodology. 				
Number of active teaching classes				Other: /
Lectures: 0	Exercises: 0	OFL: 4	SRW: 10	