BOOK OF COURSES
Master academic studies – Integral urbanism

COMPULSORY SUBJECTS

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: STUDIO M01IU_CONTEMPORARY URBAN CONCEPTS

Teachers: Ph.D. Eva Vaništa Lazarević, Full professor, Ph.D. Aleksandra Đukić, Full professor

Status of the subject: Compulsory

Number of ECTS credits: 4

Conditions: /

Subject goal

The objective of the course is to inform students on contemporary theoretical approaches, concepts and critical reviews concerning urban renewal. The students are introduced to concepts and methods of urban renewal and their application on complex urban problems on city level. Special attention is dedicated to physical-spatial transformations of the city structure and observation of relation with economic and social flows and correlation with political and ecological factors.

Outcome of the subject

Through the course, students:

- are qualified to comprehend urban renewal phenomenon, as well as correlation between different factors influencing transformation of urban tissue;
- are trained to work in regime of high autonomy and to develop cooperation skills;
- will develop capacity to apply their knowledge both in theory and in practice;
- are qualified to understand the need of multidisciplinary observation of the phenomenon of urban renewal.
- develop communication skills in verbal, written, graphical and digital form.

Subject content

Theoretical teaching

Theoretical teaching in the subject takes place through interactive multimedia lectures and lectures ex cathedra, on the topic of current theoretical thought, critical review and polemic on contemporary urban concepts, in the context of urban renewal. Lectures cover theoretical elements of urban renewal, with active participation of students during lectures.

Practical teaching

Practical teaching in the course takes place according to the principle of discussions and consultations on the topics covered in the lectures and on the topics of contemporary urban planning concepts that the students have chosen for research in the course. This is carried out in several steps, from the initial description and definition of the concept to its application in the analysis of urban plans and projects for the research area.

Literature:

- Levy, J.M. (2017). Contemporary Urban Planning. Routledge.
- Montgomery, C. (2013). Happy City: Transforming Our Lives Through Urban Design. Doubleday, Canada.
- Roggema, R. (Edit.). (2018). Contemporary Urban Design Thinking. Springer.
- Roggema, R. (Edit). (2020). Designing Sustainable Cities. Springer.
- Wolfrum,S., Nerdinger, W., Schaubeck, S. (Eds.). (2009). Multiple City: Urban Concepts 1908-2008. JOVIS.

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

Method of carrying out the teaching

Interactive multimedia lectures, field research, presentations and discussion. Presentation of acquired knowledge and their presentation (colloquiums) and the final outcome of the work (final exam in the form of a seminar paper).

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 70**	**Final exam**	**total points 50**
activity during lectures	10	Seminar paper	50
colloquium(s)	40		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: STUDIO M01IU_ Seminar_Techniques and tools 1 – Urban research through GIS

Teachers: Ph.D. Ksenija Lalović, Associate Professor

Status of the subject: Compulsory

Number of ECTS credits: 3

Conditions: /

Subject goal

The main goal of teaching in the course is to get to know, acquire knowledge and master the fundamental techniques of analytical and synthetic procedures of urban analysis with the help of modern ICT tools based on GIS (Geographic Information Systems) technologies.

Outcome of the subject

- Understanding the complexity of urban analytics in contemporary conditions, the importance and role of GIS technologies in contemporary processes of planning and management of spatial and urban development
- Ability to research and critically analyze developed urban analytical procedures based on GIS technologies in the world and in the local context
- Knowledge and skills of developing GIS support for specific urban analytical procedures, from data collection, database modeling, systematization and integration into GIS
- Ability to generate multi-criteria spatial queries and skills of clear cartographic and visual presentation of analytical results

Subject content

Theoretical teaching

Theoretical teaching in the course includes familiarization with basic urban analytical procedures, the concept of territorial information systems to support planning and management of local development, GIS technologies, principles of Geodatabase modeling, and multi-criteria urban analysis procedures

Practical teaching

Practical teaching in the subject includes research work on a specific complex analytical problem task on a given urban polygon, which involves collecting data from available public databases, as well as through field research, their systematization and integration in the Geodatabase, and the implementation of several multi-criteria procedures on the formed database. in order to draw problematic conclusions.

Literature:

Maantay J., Ziegler J., 2006, GIS for the Urban Environment , ESRI Press, Redlands, California

Carr M., Zwick P., 2007, Smart Land-Use Analysis , ESRI Press, Redlands, California

Zanelli K., Feaster L., 2003, Community Geography, GIS in Action, ESRI Press, Redlands, California

Brail R., Klosterman R.,ed., 2001, Planning Support systems, Integrating Geographic Systems, Models, and Visualization Tools, ESRI Press, Redlands, California

Laurini R., 2001, Information Systems for Urban Planning, Taylor and Francis, London

Number of active teaching classes				
Lectures: 1	Exercises: 2	OFL: 0	SRW: 0	Other: 0

Method of carrying out the teaching

Teaching is carried out through lectures, interactive forms of teaching, simulation exercises on a concretely assigned context, group analysis of assigned cases, individual and group independent work of students on short assignments and seminar work.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 60**	**Final exam**	**total points 40**
practical teaching	20	Seminar paper	40
colloquium(s)	40		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: Research methods and techniques

Teachers: PhD Maarija Maruna, Full Professor

Status of the subject: compulsory

Number of ECTS credits: 2

Conditions: /

Subject goal

- Introduction to the basic principles, approaches and methodology of research in the field of urbanism (social sciences and humanities).
- introduction to manners of writing of research papers
- acquiring insight in manners of critical consideration of research papers.

Outcome of the subject

Development of critical thinking and of analytical skills.
Comprehension of research process, of complex concepts and communication skills.
Mastering of research language.
Insight in the basic methods of research in the field of urbanism.
Acquiring skills for writing different kinds of research texts.
Acquiring skills for critical use of different sources.
Preparation for writing seminar paper.

Subject content

Theoretical teaching

- Introduction to research and writing methodology.
- Scientific fields and areas.
- Presentation of different data sources.
- Presentation of different types of research.
- Critical literature review.
- Defining the research problem.
- Choice of research methods.
- Types and structure of research.
- Writing skills.
- Recognition of different forms of texts.

Practical teaching

- Primary and secondary sources.
- Rules for citing
- Scientific journals: scientific fields, areas and categorization.
- Current topics, research questions and areas of expertise.
- Research method: Literature review.
- Research method: Survey.
- Research method: Interview.
- Research method: Focus group research.
- Research method: Combined research method.
- Data and results visualization

Literature:

1. Babbie, E. (2013). The Practice of Social Research. Wadsworth: Cengage Learning.
2. Hesse-Biber, Nagy, S. (2017). The Practice of Qualitative Research: Engaging Students in the Research Process. SAGE.
3. Lune, H., Berg, B.L. (2017) Qualitative Research Methods for the Social Sciences. Pearson.
4. Merriam, S.B., Tisdell, E.J. (2016). Qualitative Research: A Guide to Design and Implementation. Jossey-Bass.
5. Tierney, W.G., Clemens, R.F. (2011). Qualitative Research and Public Policy: The Challenges of

<table>
<tr><td colspan="5">Relevance and Trustworthiness. In: John C. Smart, Michael B. Paulsen (eds.) Higher Education: Handbook of Theory and Research (pp. 57–83). Springer.
.</td></tr>
<tr><td colspan="4">Number of active teaching classes</td><td rowspan="2">Other: /</td></tr>
<tr><td>Lectures: 1</td><td>Exercises 1</td><td>OFL: 0</td><td>SRW: 0</td></tr>
<tr><td colspan="5">Method of carrying out the teaching
Teaching includes lectures, preparation of students for class (reading assigned texts), work in class and discussion of completed assignments. The exam is in the form of a semester paper in the given scope and format</td></tr>
<tr><td colspan="5">Evaluation of knowledge (maximum number of points 100)</td></tr>
<tr><td colspan="2">Pre-exam obligations</td><td>total points 50</td><td>Final exam</td><td>total points 50</td></tr>
<tr><td colspan="2">activity during the class</td><td>10</td><td>Seminar paper</td><td>50</td></tr>
<tr><td colspan="2">practical teaching</td><td>50</td><td></td><td></td></tr>
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Study program: Master academic studies – INTEGRAL URBANISM

Name of the subject: CONTEMPORARY URBAN PHENOMENA

Teachers: Ph.D. Aleksandra B. Stupar, Full 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:

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

Theoretical teaching 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				
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	Other: 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		

Study program: Master academic studies – INTEGRAL URBANISM

Name of the subject: A CITY THROUGHOUT HISTORY

Teachers: Ph.D. Zoran N. Đukanović, Full Professor

Status of the subject: elective

Number of ECTS credits: 2

Conditions: /

Subject goal

Introducing the specifics and complexities of city development through historical discourse. History of the conception, definition, and meaning of the city. The relationship between society, culture, and urban environment in the discourse of a broader historical context. Training students to understand the complexity of the causes and processes of urban settlement origins and development. Possession of knowledge about the developmental stages, reasons, and conditions that caused the change in the structure and meaning of the city in the broader cultural context of the society that builds them. A critical understanding of specific historical inputs for city development.

Outcome of the subject

The graduate will acquire 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 relevant 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.

Subject content

Theoretical teaching is organized into three sections:

1. Human and the city - understanding, meaning and reading of the city through history;
2. The history of the city - the birth of the city in the time before civilization; Old age; Ancient city; Middle Ages; Renaissance and Baroque; Industrial City; Modern City;
3. A critique of the contemporary city and prospects for the city's development in the foreseeable future.

Literature:

Mumford L. (1968) *Grad u historiji*. Zagreb: Naprijed.
Bogdanović B. (1976) *Urbs & Logos*. Niš: Gradina.
Lazarević Bajec N. (1988) *Grad između empirije i utopije*. Beograd: ICSSOS.
Ђукановић З., Андрић М. (уредници). (2009) *Београдска Тврђава – Сановник континуитета Белог Града*. Београд: Ј.П. Београдска Тврђава.

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

Method of carrying out the teaching

interactive lectures, workshops, analysis of case studies, implementation of projects in public space

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 50**	**Final exam**	**total points 50**
colloquium	20	seminary work	50
test	30		

Study program: Master academic studies – INTEGRAL URBANISM

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

Number of ECTS credits: 3

Conditions: Enrolled in the current semester

Subject goal

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.

Outcome of the subject

Adequate knowledge of urban design, planning, and the skills involved in the planning process. The graduate will acquire knowledge of:

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

Theory –

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.

Mandatory literature:

- 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:

- 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		

Study program: Master academic studies – INTEGRAL URBANISM

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

Number of ECTS credits: 3

Conditions: Enrolled in the current semester

Subject goal

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.

Outcome of the subject

Adequate knowledge of urban design, planning, and the skills involved in the planning process. The graduate will acquire knowledge of:

4. theories of urban design and the planning of communities;
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Subject content

Theory –

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Mandatory literature:

- Elin, N. (2002). Postmoderni urbanizam, Beograd: Orion. (izbor poglavlja)
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- Harvey, D.(1973). Social Justice and the City. Baltimore: Johns Hopkins University Press.
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- 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		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: STUDIO M02IU SEMINAR_INTEGRATED URBAN DEVELOPMENT STRATEGY

Teachers: Ph.D. Ratka P. Čolić, Assistant Professor

Status of the subject: compulsory

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

Theory

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.).

Practical learning

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). *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

Healey P. (1998) Collaborative Planning in a Stakeholder Society, Town Planning Review 69 (1998)

Number of active teaching classes				
Lectures: 1	Exercises: 2	OFL: 0	SRW: 0	Other: 0

Method of carrying out the teaching

Lectures, site visits, group discussions, workshops, interviews with experts, small-scale written and graphic works (colloquiums) and seminay 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

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: Public space as public good

Teachers: PhD Ratka Čolić, Associate Professor

Status of the subject: compulsory

Number of ECTS credits: 2

Conditions: /

Subject goal

The course Public space as a public good offers fundamental insights into recent discussions on planning practice, placing specific emphasis on the social role, function and importance of planners in the process of urban spaces creation. The course takes up several important debates, which were started in the previous decade. First of all, it talks about the role of planners in the light of climate change and the so-called. expanded urbanization and various types of engagement and practice are underlined, such as the idea of "commonification". Also, a strong emphasis is placed on recent theoretical attempts in urban studies to highlight the importance of infrastructure in urban planning and the production of common life. None the less, attention is paid to the different types of urbanization discussed in urban studies. Apart from the widely discussed aspects of informality - just like the type of urbanization on the so-called Global South, but also as a potentially experimental form of adaptive planning practice, emphasis is placed on different types of urbanization, such as popular or mass vernacular urbanization. In this way, insights are gained about recent urbanization trends and the role of planners is especially re-examined in the light of new types of production of urban spaces. To that extent, apart from theoretical considerations, this course also offers practical knowledge related to mastering several new methodologies in urban research (such as ethnography, infrastructure studies and secondary data analysis).

Outcome of the subject

By mastering fundamental theoretical terms and concepts, students are trained to recognize new types of urbanization, analyze key actors and groups in urban planning, as well as apply new methodological solutions for the study of urban spaces.

Subject content

Theoretical teaching

Theoretical teaching at the course *Public space as a public good* covers several macro units. At the very beginning, an overview of contemporary debates in urban theory regarding "communification" and urban generality, as new approaches to the public, is provided. In particular, the problem of urban generality is discussed, that is, the application of these concepts of publicness and neutrality in urban planning. The second macro-unit refers to new discussions in urban theory, which increasingly tie the urban generality to infrastructural issues. Namely, the perception of cities as "assemblages", which is particularly encouraged recently, points to the necessity of monitoring complex socio-material compositions, interactions and distributions. Equally against the rigidity of functional urbanism, but also "critical" approaches that emphasize that forces such as money almost mechanically shape urban agglomerations, the approaches of coalescence of cities take urban planning in a new direction and encourage the examination of the often chaotic intertwining of many orders in urban everyday life, following the trajectories of people and non-humans in composing a "common world". The third macro-unit covers the broad topic of new forms of urbanization (so-called popular, laminar, planned, etc.), paying special attention to elements and the phenomenon of informality. Inspirations stemming from the approach of repositioning cities, sheds new light on informality and tries to, against the linear tendencies of monofunctional integration, examine potentially creative interventions that would not contribute to the closing of urban forms. Although many studies on informality talk about the deepening effects of informality, they also call for the openness of the form and the questioning of the possibility of infrastructural interventions themselves to ensure the possibility of these forms being open for further modifications and adaptations.

Practical teaching

Other forms of teaching, Study research work

Literature:

Amin, A. & Trift, N. (2017) *Seeing Like a City*. Cambrigde: Polity Press. (Poglavlje 1: Looking Through the City)

McFarlane C. (2011) The City as Assemblage: Dwelling and Urban Space. *Environment and Planning D: Society and Space*. 2011; 29(4):649-671.

Sawyer, L., Schmid, C., Kallenberger, P. (2021) Bypass urbanism: Re-ordering center-periphery relations in Kolkata, Lagos and Mexico City, *Environment and Planning A: Economy and Space*. Vol. 53(4) 675–703.

Schmid C, Karaman O, Hanakata N, Kallenberger P, Kockelkorn A, Sawyer L, Streule M and Wong K P (2018) Towards a new vocabulary of urbanisation processes: A comparative approach. *Urban Studies 55(1):19–52*

Streule M, Karaman O, Sawyer L and Schmid C (2020) Popular urbanization: Conceptualizing urbanization processes beyond informality. *International Journal of Urban and Regional Research. DOI:10.1111/1468-2427.12872*

Sendra, P., Sennet, R. (2020) Desigining Disorder: Experiments and Disruptions in the City. London and New York: Verso (Poglavlja 2, 4, 5, 6: 23-36, 55-102)

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

Method of carrying out the teaching

In cooperation with the institutions and companies in which the students cooperate.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 30**	**Final exam**	**total points 70**
seminar-s	30	written exam	50
		oral exam	20

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

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: 3

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:

- 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:

- 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:

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

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

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

Theory

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) Public Management and Governance, London: Routledge
2. Fainstein, S. (2010) The Just City, New York: Cornell University Press
3. Janssen-Jansen, L., Spaans, M., and Veen, M.v.d. (ed.) (2008) *New Instruments in Spatial Planning: An International Perspective on Non-financial Compensation, Sustainable Urban Areas 23*, Amsterdam: IOS Press BV
4. Mattingly, M. (1994) 'Meaning of urban management', Cities, 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.) Carrots, Sticks, and Sermons: Policy Instruments and Their Evaluation, Piscataway, NJ & London: Transaction Publishers, pp. 21-58.
6. Pierre, J. (2011) The Politics of Urban Governance, Basingstoke: Palgrave Macmillan
7. Радосављевић, У. (2014) Формирање модела урбаног менаџмента у реализацији стратешких пројеката, докторска дисертација, Београд: Архитектонски факултет
8. Radosavljević, U., Đorđević, A., Živković, J., Lalović, K. & Đukanović, Z. (2019) Educational Projects for Linking Place Branding and Urban Planning in Serbia (2019) *European Planning Studies*

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

Study program: Master academic studies – INTEGRAL URBANISM

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

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:

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.

Other outcomes: creating the atlases of specially valued and as such prominent spatial (urban) unities in Serbian cities

Subject content

Theory

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). *Sociable cities. The Legacy of Ebenezer Howard.* Chichester: John Wiley & Sons
Hall, P. (2014). *Cities of Tomorrow: An Intellectual History of Urban Planning and Design in the Twentieth Century.* Oxford: Blackwell Publishing.
Hall (2013). Good Cities, Better Lives: How Europe Discovered the Lost Art of Urbanism. London: Routledge.
Kostof, S (1999). The City Shaped: Urban Patterns and Meanings Through History. London: Thames & Hudson
Kostof, S (2005). The City Assembled: The Elements of Urban Form Through History. London: Thames & Hudson

Number of active teaching classes				
Lectures: 3	Exercises: 0	OFL: 0	SRW: 0	Other: 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		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: STUDIO M03IU_PLANNING METHODOLOGY

Teachers: Ph.D. Danijela Milovanović Rodić, Assistant Professor

Status of the subject: compulsory

Number of ECTS credits: 4

Conditions: /

Subject goal

Acquaintance with the fundamental issues of the role, scope and the domain of urban planning, but also other instruments of spatial development planning and management. Mastery of the material related to the planning process and planning methodology. Research on the relationship between management, urban planning, urban design and architectural design with each other, as well as with other spatial development management instruments. Mastering the knowledge and skills important for the preparation of planning documents: (1) familiarization with the fundamental methods used in planning, and (2) training for the design of the planning process.

Outcome of the subject

Students acquire knowledge and skills needed for:

• Understanding the discipline of planning: positions and roles in development management processes,

• Understanding the impact of the development context and value system on planning; understanding other impacts resulting from diverse planning models, practices and experiences;

• Establishing a connection between planning activities - types of products and types of outcomes, actors, types of knowledge, role of power, procedures, resources, instruments and mechanisms, design of the planning process - and the overall development of the territory;

• Understanding planning methodology and training for planning process design;

• Mastering knowledge about basic planning methods in different stages of the planning process

Subject content

Theoretical teaching

In the theoretical part of the teaching, planning methodology and planning methods are considered within the concept of sustainable development, rational and collaborative planning model and different types of planning instruments. The main goals of the teaching process are to develop competencies for planning sustainable urban development.

Practical teaching

The topic of the practical part of the class is PLANNING IN CONTEXT: DIVERSITY OF PLANNING MODELS, PRACTICES AND EXPERIENCES, within which students are engaged in researching models of spatial development of cities in different countries. The development context, regulatory framework, institutional arrangement, system of plans, planning procedures, implementation instruments are researched, and the thematic focus for the selection of examples of good and bad practice is chosen every year in accordance with current topics and research projects.

Literature

Innes, J., Booher, D. (2010) Planning with Complexity: An Introduction to Collaborative Rationality for Public Policy, New York: Routledge

Healey, P. (2010) Making Better Places: The planning project in the twenty-first century, Hampshire: Palgrave Macmillan

Fainstein, S., Campbell, S. (ed) Readings in Urban Theory, Blackwell Publishing

Миловановић Родић, Д., Славковић, Љ., Маруна, М. (Ур.) (2022) У потрази за јавним интересом: домети урбанизма. Београд: Универзитет у Београду Архитектонски факултет.

Миловановић Родић, Д. (2015). Едукација за рехабилитацију позиције и улоге урбаниста у процесима управљања развојем града. У Маруна, М., Чолић, Р. (ур). Иновативни методолошки приступ изради мастер рада: Допринос едукацији профила урбанисте. Београд: Универзитет у Београду, Архитектоснки факултет.

Миловановић Родић, Д. (2013). Редефинисање модела учешћа грађана у урбанистичком планирању Србије у складу са комуникативно-колаборативном парадигмом. Докторска дисертација.Избор поглавља.

Ryser, J., Franchini, T. (ed). (2015) International Manual of Planning Practice, The Hague: International

Society of City and Regional Planners, ISOCARP

Newman, P., Thornley, A. (1996). Urban Planning in Europe: International Competition, National Systems, and Planning Projects. London: Routledge. Избор поглавља.

Бајић Брковић, М. (2000) Огледи о планирању и одрживом развоју града. Београд: Архитектонски факултет Универзитета у Београду. Избор поглавља.

Лазаревић Бајец, Н. (2000) Теорија планирања. Београд: Архитектонски факултет Универзитета у Београду. Избор поглављаБајић Брковић, М. (2000)

Maruna, M., Milovanović Rodić, D. (2018). Toward a National Core Curriculum in Urbanism: The Case of Serbia. In Zvodnik Lamovšek, A. (Ed). Prostorski načrtovalci 21. Stoletja. Ljubljana: Univerza v Ljubljani Fakulteta za gradbeništvo in geodezijo, Katedra za prostorsko planiranje. pp. 658-680. ISBN 978-961-6884-56-3

Milovanović Rodić, D., Čolić, R., Maruna, M. (2018). Integrated urban projects framework: introducing new instruments for effective urban governance in Serbia. In Anguillari, E., Dimitrijevic, B. (ed). Integrated urban planning: directions, resources and territories. Delft: University of Technology

Миловановић Родић, Д. (2004). Унапређење учешћа грађана у урбанистичком планирању уз подршку информационих и комуникационих технологија. Магистарска теза. Избор поглавља.

Nedović-Budić, Z., Cavrić, B. 2006: Waves of planning: framework for studying the evolution of planning systems and empirical insights from Serbia and Montenegro. Planning perspectives 21. London.

Славковић, Л., Маруна, М., Миловановић Родић, Д., & Радовановић, К. (2020). Ка колаборативном управљању развојем града: интерактивни урбанизам. Београд: Центар за културну деконтаминацију

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

Method of carrying out the teaching

Teaching in the course is conducted through the studio based learning method. Teaching includes practical research work in the field, critical research and analysis of literature and documents, debates, workshops, as well as individual practical work on the preparation of parts of project documentation.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 50**	**Final exam**	**total points 50**
activity during classes	10	written exam	40
colloquium(s)	2x20	oral exam	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: STUDIO M03IU_ SEMINAR_ COMMUNICATION AND COOPERATION IN THE PARTICIPATIVE PROCESS OF URBAN PLANNING

Teachers: Ph.D. Ksenija Lalović, Associate Professor

Status of the subject: Compulsory

Number of ECTS credits: 3

Conditions: /

Subject goal

The main goal of the course is to get acquainted with the basic methods of qualitative research in urban development, to acquire knowledge and master skills in the use of basic techniques and organizational procedures of the participatory planning process, the necessary resources and conditions for their implementation, as well as to master the skills of facilitation and mediation of communication and cooperation. interested parties.

Outcome of the subject

- Understanding the importance of qualitative research in urban development planning and management
- Understanding the role and complexity of the urban planner's practical professional tasks in managing the participatory and collaborative planning process
- The ability to analyze development actors, to plan a participatory process, and the ability to recognize and choose participatory communication tools that are appropriate to the considered problem context
- Skills of applying various group techniques of communication and cooperation in order to establish a common understanding of problems and reach social consensus in decision-making, as well as skills of forming an information platform for information, communication and collaboration

Subject content

Theoretical teaching

The theoretical part of the teaching includes familiarization with the concepts of good communication and conflict resolution, stakeholder analysis procedures, a range of tools for the preparation and organization of a participatory and collaborative process, as well as numerous techniques to support the improvement of communication and conflict management through mediation or negotiation, as well as reaching consensus in group decision making.

Practical teaching

Practical work is focused on the application of the basic analytical tools of stekohoder analysis, the planning of a participatory procedure through the application of an appropriate set of communication techniques and their simulation or practical implementation in the context of a given urban training ground.

Literature

Yanow, D. & Schwartz-Shea, P., 2011, Interpretive Approaches to Research Design: Concepts and Processes Routledge

Savin-Baden, M. & Howell Major, C., Ed.,2010, New Approaches to Qualitative Research: Wisdom and Uncertainty. Routledge

UNCHS Habitat. (2000). What is Good Governance?, United Nations Economic and Social Commission for Asia and the Pacific. Nairobi, Kenya

UN-HABITAT. (2008). An Asset-based Approach to Community Development and Capacity Building (Vol. The Human Settlements Financing Tools and Best Practices Series). Nairobi, Kenya.

UN-HABITAT. (2005). Key Competences for Improving Local Governance. Nairobi, Kenya: UNHSP.

UN-HABITAT. (2003). Measuring progress in improving urban management decision-making processes, Participatory Decision-Making Indicators, The SCP Source Book Series (T. Volume 9). Nairobi, Kenya

UN-HABITAT. (2001). Tools to Support Participatory Urban Decision Making. Nairobi, Kenya.

Number of active teaching classes				
Lectures: 1	Exercises: 2	OFL: 0	SRW: 0	Other: 0

Method of carrying out the teaching

Teaching is carried out through interactive lectures, case study analysis, simulation exercise on the specific context, individual and group work of students on brief tasks and seminar paper.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 60**	**Final exam**	**total points 40**

practical teaching	20	Seminar paper	40
colloquium(s)	40		

Study program: Master academic studies – INTEGRAL URBANISM

Name of the subject: ECONOMY IN URBANISM

Teachers: Ph.D. Danilo S. Furundžić, Associate 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

The student will know how to critically examine the financial factors of the implementation of planning documents, i.e. predict the economic rules under which investments in construction are realized. Get to know all the hidden forces of the market that shape changes in the urban structure. It analyzes the division of activities and events of each investment cycle, and predicts the possible consumption of resources, with the prediction of costs.

Through lectures, students will gain knowledge about the functioning of the entire city economy, as well as its special parts, especially the land, communal and housing economy, i.e. sectors of special public importance.

Subject content

Theoretical teaching

Economic sciences, and the fundamentals of urban economy

Investment characteristics - financing models

Application of economics in practice: management of local public finances, urban land - unregulated and regulated market, assessment of suitability for construction, location selection, construction financing, profit making

Effects of planning - economic evaluation of urban plans

Practical teaching

Study of traditional and dynamic methods of assessing the profitability of investing in real estate, as well as economic concepts such as "time value of money"

Creation of a business plan

Introducing students to the economic aspects of the city, the concept of investment and the importance of investment"

Literature:

Milićević, G. (1990). Urbana ekonomika. Beograd: Ekonomski fakultet.

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	10	Topic selection	10
practical teaching	10	seminar paper	50
colloquium(s)	20		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: PLANNING THEORY

Teachers: Ph.D. Marija L. Maruna, Full Professor

Status of the subject: elective

Number of ECTS credits: 3

Conditions: /

Subject goal

The course has two main objectives:

- 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

- 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:

4. theories of urban design and the planning of communities;
5. the influence of the design and development of cities, past and present on the contemporary built environment;
6. current planning policy and development control legislation, including social, environmental, and economic aspects, and the relevance of these to design development.

Subject content

Theory

- 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:

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

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: URBAN LEGISLATION

Teachers: Ph.D. Biserka Č. Mitrović, Associate Professor

Status of the subject: elective

Number of ECTS credits: 2

Conditions: /

Subject goal

The subject aims to introduce the importance, development, and content of urban and spatial planning regulations in Serbia. Also, acquiring information on the diversity of human needs and the professions needs to be involved in the urban and spatial planning process. Introduction to the general context of EU legislation. Introduction to procedures and institutions in the practice of urban and spatial planning in Serbia.

Outcome of the subject

The outcome of the course is related to the students' ability to understand and apply urban and spatial planning regulations in practice, as well as to recognize the obligations, competences, place, and time of participants' involvement in the process of urban and spatial planning following applicable regulations. Also, learning outcomes are related to the recognition of the role and importance of the institutional system involved in the process of urban and spatial planning in Serbia.

Subject content

Theory

Theoretical teaching includes the primary legislation and regulation of urban and spatial planning in Serbia, as well as the regulation of related fields important for urban and spatial planning. The subject presents the coherence of different sectors: urban, spatial planning, environment, protection of natural resources, land for construction, transport, agriculture, etc., as well as compliance with EU legislation in the general sense. Particular emphasis is placed on public interest and public participation. Also, it is placed on conflict situations related to regulation during the implementation of urban and spatial plans, procedures, and institutions at different levels, as well as to planning documents that are not prescribed by urban and spatial planning regulations, and are applied in Serbia. Emphasis is also placed on the possibilities and limitations of applying regulation in urban planning practice, as well as on the sustainability principles implementation in urban regulation.

Students perform case studies of different forms of illegal construction in Serbia. They explore ways and causes of deviation from legal planning frameworks, inconsistencies, and / or inability to apply the regulatory framework, exploring the possibilities of applying sustainable development principles in the practice of implementing urban regulation in Serbia.

Literature:

1. EUR-Lex, European Union Law database
2. Митровић Б, Ралевић М., Антонић Б. (2014): The Challenges of Housing Regulation in Serbian Legislation: Towards European context and best practices, стр. 167- 177, поглавље у монографији: Housing development in Serbia in the context of globalization and Integrations. Vol. 3, Strategies and Models (M44), Faculty of Architecture, University of Belgrade, ISBN 978-86-7924-134-4.
3. Митровић Б, Ралевић М., Антонић Б. (2014): Integrating illegal housing into the urban development in Belgrade in the context of global trends - Methodological and Regulatory Framework, стр. 53- 68, поглавље у монографији: Housing development in Serbia in the context of globalization and Integrations. Vol. 3, Strategies and Models (M44), Faculty of Architecture, University of Belgrade, ISBN 978-86-7924-134-4.
4. Пајовић Д. (2005): Преглед урбанистичког законодавства. Удружење урбаниста Србије. Нови Сад.
5. Moore V., Hudges, D. (1995): Statu□es on Planning law, Blackstone Press Limited, London.

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

Method of carrying out the teaching

ex-cathedra lectures, discussions at lectures and with guest lecturers, student activities in the current planning procedure, seminary work, presentations.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	**total points 70**	**Final exam**	**total points 30**
activity during lectures	8	written exam	25
task	12	oral exam	5
colloquium(s)	50		

Study program: Master academic studies – INTEGRAL URBANISM

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

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:

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:

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

Theory

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 Comission, 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 Anguilliari, 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.
Čolič, 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				
Lectures: 3	Exercises: 0	OFL: 0	SRW: 0	Other: 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

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER FINAL PROJECT - IU

Teachers:

Status of the subject: compulsory

Number of ECTS credits: 5

Conditions: Passed all exams at Master Academic Studies Integral Urbanism, The choice of a mentor for the Master's thesis is conditioned by the choice of the subject of the Master's thesis - and the Master's project

Subject goal

The final part of the study program of the Master of Academic Studies in Integral Urbanism consists of three units: Master's thesis, Master's project and Master's final project, which consists of two segments: Final project - subject and Final project.

By working on the thesis, project and final project, through the process of formulation, conception and development of the project, the student independently connects all acquired knowledge and skills, controls the process of research, conceptualization, design and materialization of complex urban units in an integral way.

The master's final project represents the work at the highest and most complex level of the master's level of study - the synthesis result at the highest level of teaching is expressed through a graphic and spatial representation of the urban solution and other special contents and attachments.

Outcome of the subject

The master's final thesis completes the synthetic master's studio project in which the student demonstrates through indipendent final project the level of mastered knowledge and skills from the Master study program, as a response to the previously set thesis and concept. It consists of publicly presented graphic material and models of the (conceptual) master project and a master notebook with a text with three clear units, a thesis, research through the project, analytical and generic studies, and an explanation of the synthesis concept and the final project.
It is expected that the student, through the preparation of the Master final project, affirms the capacity of acquired abilities in accordance with the outcomes of the study program as a whole, especially those related to the acquired skills and knowledge.

Subject content

Master's final project represents work at the highest and most complex level of the master's level of study - independent research and synthetic, design result at the highest level of teaching expressed through a graphic and spatial representation of the conceptual-program setting and urban-architectural conceptual solution and urban design of open public spaces.

Development of the project in accordance with the Master's thesis and Master's project, work on graphic material with internal verification of work completion.

Research through the project, modeling, design and structuring of the project.

Literature:
Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

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

Method of carrying out the teaching

The Master's thesis is realized through the finalization of the Master's thesis and the Master's project.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points**	**Final exam**	**total points 100**
		final project	80
		oral defence	20

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER FINAL PROJECT – SUBJECT – IU

Teachers:

Status of the subject: compulsory

Number of ECTS credits: 2

Conditions: Passed all exams at Master Academic Studies Integral Urbanism, The choice of a mentor for the Master's thesis is conditioned by the choice of the subject of the Master's thesis - and the Master's project

Subject goal

The final part of the study program of the Master of Academic Studies in Integral Urbanism consists of three units: Master's thesis, Master's project and Master's final project, which consists of two segments: Final project - subject and Final project.

By working on the thesis, project and final project, through the process of formulation, conception and development of the project, the student independently connects all acquired knowledge and skills, controls the process of research, conceptualization, design and materialization of complex urban units in an integral way.

The master's final project represents the work at the highest and most complex level of the master's level of study - the synthesis result at the highest level of teaching is expressed through a graphic and spatial representation of the urban solution and other special contents and attachments.

Outcome of the subject

Master's final project - Subject represents the 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 the work - Master's final project.

It is expected that the student, through the preparation of the Master final project, affirms the capacity of acquired abilities in accordance with the outcomes of the study program as a whole, especially those related to the acquired skills and knowledge.

Subject content

Master's final thesis represents work at the highest and most complex level of the master's level of study - independent research and synthetic, design result at the highest level of teaching expressed through a graphic and spatial representation of the conceptual-program setting and urban-architectural conceptual solution and urban design of open public spaces.

Systematization and presentation of the results of the previous work phases within the final part of the study program - Master's thesis and Master's project with internal verification of work results.

Research through the project, modeling, design and structuring of the project.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

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

Method of carrying out the teaching

Master's final project - subject is realized through independent student research work on the finalization of the Master's thesis and Master's project.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	/	**Final exam**	**total points 100**
		Final portfolio	**85**
		Design Presentation Review	**15**

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: VOCATIONAL PRACTICE - IU

Teachers: PhD Ivan Simić, Assistant Professor

Status of the subject: compulsory

Number of ECTS credits: 3

Conditions: /

Subject goal

The main goal is for students to acquire practical experience through specific cooperation in institutions dealing with urban and spatial planning and urban design in practice, research work, etc. In addition, the goal is for students to acquire additional knowledge about decision-making procedures, the formation of planning solutions, as well as to test the theoretical knowledge in the relevant fields that they have acquired during their studies..

Outcome of the subject

Verification of theoretical knowledge in the field of urban and spatial planning and urban design in a specific and practical context.

Subject content

Practical teaching

Students are given the opportunity to acquire additional knowledge and to develop the ability to make quick and efficient planning decisions.

Literature:
Students are directed to use the specific documents of the institution where they do professional practice.

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 0	SRW: 0	Other: 90

Method of carrying out the teaching

In cooperation with the institutions and companies in which the students cooperate.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 50**	**Final exam**	**total points 50**
practical work	50	seminary work	30
journal of vocational practice	20		

ELECTIVE SUBJECTS

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: STUDIO M01IU_ INTEGRAL DEVELOPMENT OF TERRITORY -1

Teachers: Ph.D. Danijela Milovanović, Assistant Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The objective of the course is to inform the students on the integral approach and training for the application of an integral approach in a specific economic, institutional and cultural framework.

An integral approach implies that in the processes of understanding and managing the development of the territory (the sum of all development resources) it is necessary to integrate different: (a) aspects of (sustainable) development (economic, ecological, social and cultural), topics and problems/potentials of the development of the territory, (b)) spatial levels, (v) types of management and development planning instruments, (g) management levels and organizational structures, (đ) financing mechanisms and resources for development, (e) initiatives and actors (private, public, civil) of different roles, interests and goals in the specific territory.

Outcome of the subject

Upon completion of the course the students shall be qualified for:

• To get familiar with the system of planning and management of spatial development in Serbia (urban, rural, undeveloped areas), current policies of spatial development, procedures and methods of decision-making,

• To be familiar with different spatial development management instruments and their mutual relations,

• To be familiar with different professional roles in the practice of spatial development planning and management and different forms of public intervention,

• Understand the concepts of sustainable and integral development of the territory, and be able to establish relations with the current spatial development management system in Serbia,

• Understand the main trends in spatial development such as (de)centralization, (un)even development, spatial fragmentation, spatial and social (dis)stratification, economic transformation, climate change, environmental degradation, new models of city management and professional action, etc.

• Master the skills of data collection, their processing, presentation, critical and integral analysis in the function of understanding the specific territory - identifying key development problems/potentials for development, various interests that are manifested in the specific territory in the process of building space and resource allocation,

• Master the skills of synthesis and reasoning about possible and desirable changes in the function of sustainable development of the territory, improvement of people's quality of life and protection of natural and cultural values,

• Master the skills of formulating the concept of possible alternative solutions and understand the basic consequences of their implementation,

• Master the skills of choosing sustainable solutions in relation to development priorities and possible ways and prerequisites for their implementation.

Subject content

Theoretical teaching

The emphasis is on the presentation of the concept of integral development of the territory, integral approach, development, institutional and organizational context of the framework of public intervention in the domain of spatial development in the conditions of conflicting development goals of the post-socialist transition.

Practical teaching

Students focus on the specific area they are researching, for which they conceptualize desirable development directions and alternative solutions in group work, then choose one and give recommendations for its implementation in accordance with the selected priorities and development context. The topic of the assignment is related to current issues of professional and theoretical interest.

Literature

Беговић,Б., Вацић, З., Лазаревић, Бајец, Н., Раичевић,Б. ет.ал. (2002). Принципи модерног управљања

локалном заједницом. Београд: ЦЛДС

Миловановић Родић, Д., Славковић, Љ., Маруна, М. (Ур.) (2022) У потрази за јавним интересом: домети урбанизма. Београд: Универзитет у Београду Архитектонски факултет.

Milovanović Rodić, D., Čolić, R., Maruna, M. (2018) Integrated urban projects framework: introducing new instruments for effective urban governance in Serbia. In Anguillari, E., Dimitrijevic, B. (ed). Integrated urban planning: directions, resources and territories. Delft: University of Technology

Миловановић Родић, Д, Стојић, Б. (2018). Интегрални приступ за одрживи развој Дунавског региона: Приказ предагошког модела и остварених резултата – мастер теза. У зборнику радова XI Међународног научно стручног скупа Летња школа урбаизма.

Milovanović Rodić, D., Čolić, R., Maruna, M. (2017). Multilevel governance instruments for achieving balanced urban-rural development. In 4th International Academic Conference on Places and Technologies 2017 book of proceedings.

Миловановић Родић, Д., Маруна, М., Чолић, Р. (2016). Инструменти управљања интегралним урбаним развојем на примеру града Панчева: Каталог изложбе завршних радова генерације студената 2013/14. Београд: Универзитет у Београду, Архитектонски факултет

Миловановић Родић, Д. (ур.)(2016) Дизајн нове урбаности: град као ресурс. Београд: Универзитет у Београду - Архитектонски факултет

Ристовић, М., Шећеров, В., Маруна, М., Миловановић Родић, Д., Славковић, Љ. (2021). Интегрална анализа територијалног развоја: прилог решавању урбаног конфликта кроз успостављање друштвеног дијалога – студија случаја Макиш. У Д. Филиповић, В. Шећеров, Д. Ђорђевић (Ур.), *Планска и нормативна заштита простора и животне средине* (стр. 41-49). АППС

Славковић, Л., Маруна, М., Миловановић Родић, Д., & Радовановић, К. (2020). Ка колаборативном управљању развојем града: интерактивни урбанизам. Београд: Центар за културну деконтаминацију.

Transforming Our World: The Agenda 2030 for Sustainable Development. (2015).

Territorial EU Agenda 2030: A future for all places (2020)

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 6	SRW: 0	Other: 0

Method of carrying out the teaching

Work in the studio takes place in the form of continuous interaction between teachers and students, students with each other and teachers and students with representatives of local and national institutions and local communities and initiatives. Students are expected to prepare for each class and actively participate in class. Relevant experts and representatives of the most important actors of importance for the territory and the topic are invited guests in the classes. In order to collect data in order to understand the territory, a tour of it is planned.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 50**	**Final exam**	**total points 50**
activity during lectures	10	written exam	40
colloquium(s)	2x20	oral exam	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: STUDIO M01IU_ INTEGRAL DEVELOPMENT OF TERRITORY -2

Teachers: Ph.D. Ivan Simić, Assistant Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The objective of the course is to inform the students on the integral approach and training for the application of an integral approach in a specific economic, institutional and cultural framework.

An integral approach implies that in the processes of understanding and managing the development of the territory (the sum of all development resources) it is necessary to integrate different: (a) aspects of (sustainable) development (economic, ecological, social and cultural), topics and problems/potentials of the development of the territory, (b)) spatial levels, (v) types of management and development planning instruments, (g) management levels and organizational structures, (đ) financing mechanisms and resources for development, (e) initiatives and actors (private, public, civil) of different roles, interests and goals in the specific territory.

Outcome of the subject

Upon completion of the course the students shall be qualified for:

• To get familiar with the system of planning and management of spatial development in Serbia (urban, rural, undeveloped areas), current policies of spatial development, procedures and methods of decision-making,

• To be familiar with different spatial development management instruments and their mutual relations,

• To be familiar with different professional roles in the practice of spatial development planning and management and different forms of public intervention,

• Understand the concepts of sustainable and integral development of the territory, and be able to establish relations with the current spatial development management system in Serbia,

• Understand the main trends in spatial development such as (de)centralization, (un)even development, spatial fragmentation, spatial and social (dis)stratification, economic transformation, climate change, environmental degradation, new models of city management and professional action, etc.

• Master the skills of data collection, their processing, presentation, critical and integral analysis in the function of understanding the specific territory - identifying key development problems/potentials for development, various interests that are manifested in the specific territory in the process of building space and resource allocation,

• Master the skills of synthesis and reasoning about possible and desirable changes in the function of sustainable development of the territory, improvement of people's quality of life and protection of natural and cultural values,

• Master the skills of formulating the concept of possible alternative solutions and understand the basic consequences of their implementation,

• Master the skills of choosing sustainable solutions in relation to development priorities and possible ways and prerequisites for their implementation.

Subject content

Theoretical teaching

The emphasis is on the presentation of the concept of integral development of the territory, integral approach, development, institutional and organizational context of the framework of public intervention in the domain of spatial development in the conditions of conflicting development goals of the post-socialist transition.

Practical teaching

Students focus on the specific area they are researching, for which they conceptualize desirable development directions and alternative solutions in group work, then choose one and give recommendations for its implementation in accordance with the selected priorities and development context. The topic of the assignment is related to current issues of professional and theoretical interest.

Literature

Беговић,Б., Вацић, З., Лазаревић, Бајец, Н., Раичевић,Б. ет.ал. (2002). Принципи модерног управљања

локалном заједницом. Београд: ЦЛДС

Миловановић Родић, Д., Славковић, Љ., Маруна, М. (Ур.) (2022) У потрази за јавним интересом: домети урбанизма. Београд: Универзитет у Београду Архитектонски факултет.

Milovanović Rodić, D., Čolić, R., Maruna, M. (2018) Integrated urban projects framework: introducing new instruments for effective urban governance in Serbia. In Anguillari, E., Dimitrijevic, B. (ed). Integrated urban planning: directions, resources and territories. Delft: University of Technology

Миловановић Родић, Д, Стојић, Б. (2018). Интегрални приступ за одрживи развој Дунавског региона: Приказ предагошког модела и остварених резултата – мастер теза. У зборнику радова XI Међународног научно стручног скупа Летња школа урбаизма.

Milovanović Rodić, D., Čolić, R., Maruna, M. (2017). Multilevel governance instruments for achieving balanced urban-rural development. In 4th International Academic Conference on Places and Technologies 2017 book of proceedings.

Миловановић Родић, Д., Маруна, М., Чолић, Р. (2016). Инструменти управљања интегралним урбаним развојем на примеру града Панчева: Каталог изложбе завршних радова генерације студената 2013/14. Београд: Универзитет у Београду, Архитектонски факултет

Миловановић Родић, Д. (ур.)(2016) Дизајн нове урбаности: град као ресурс. Београд: Универзитет у Београду - Архитектонски факултет

Ристовић, М., Шећеров, В., Маруна, М., Миловановић Родић, Д., Славковић, Љ. (2021). Интегрална анализа територијалног развоја: прилог решавању урбаног конфликта кроз успостављање друштвеног дијалога – студија случаја Макиш. У Д. Филиповић, В. Шећеров, Д. Ђорђевић (Ур.), *Планска и нормативна заштита простора и животне средине* (стр. 41-49). АППС

Славковић, Л., Маруна, М., Миловановић Родић, Д., & Радовановић, К. (2020). Ка колаборативном управљању развојем града: интерактивни урбанизам. Београд: Центар за културну деконтаминацију.

Transforming Our World: The Agenda 2030 for Sustainable Development. (2015).

Territorial EU Agenda 2030: A future for all places (2020)

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 6	SRW: 0	Other: 0

Method of carrying out the teaching

Work in the studio takes place in the form of continuous interaction between teachers and students, students with each other and teachers and students with representatives of local and national institutions and local communities and initiatives. Students are expected to prepare for each class and actively participate in class. Relevant experts and representatives of the most important actors of importance for the territory and the topic are invited guests in the classes. In order to collect data in order to understand the territory, a tour of it is planned.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 50**	**Final exam**	**total points 50**
activity during lectures	10	written exam	40
colloquium(s)	2x20	oral exam	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: STUDIO M02IU_INTEGRAL URBAN DESIGN -1

Teachers: Ph.D. Danilo Furndžić, Associate Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

Through research - project work in the studio on researching different spatial solutions (macro and micro scale), students acquire new knowledge based on contemporary paradigms of urban design, which imply the participation of actors and interested parties in the creation, reprogramming and reshaping of space in a pluralistic society.

Outcome of the subject

Understanding of key contemporary disciplinary issues related to the issue of an integral approach to urban design with the aim of sustainable solutions and environmental protection; Knowledge and application of basic methods in an integral approach in the process of analyzing and conceiving solutions in urban design; Practical knowledge of the principles of integral creative solutions for complex urban situations; Ways of involving partners, creating organizational arrangements, ways of financing and mechanisms for implementation in the process of urban design; Ways of evaluating integral solutions, monitoring the process and quality of goals and indicators aimed at performance and realization of solutions.

Subject content

Theoretical teaching

Reviewing the model of planning, creation and shaping of urban spatial units in the dynamic conditions of contemporary socio-economic relations.

Practical teaching

The role of the urban planner (architect) as a proactive participant in the complex city-building process. The urban planner as a "manager of reality", the plan (project) as an active scenario and mechanism of optimal development.

Using the example of selected locations, students simulate the entire process of expected professional, administrative steps and processes, with an emphasis on conceiving and developing solutions of different hierarchical levels of urban design (from master-plan to micro-urban themes).

Literature

Elin, N. (2006) Integral Urbanism. NY: Routledge.

Fainstein, S. (2010) The Just City. New York: Cornell University Press.

Thomas, R. & Fordham, M. (ed.) (2005) Sustainable Urban Design: an environmental approach. London, New York: Spon Press.

Фурунџић,Д. и Петровић, Ј(2022) Инфраструктура: транспорт-будућност урбаног транспорта. Београд: Архитектонски факултет

Корица,Р. и Фурунџић,Д. (2016) Инфраструктура: Независни шински систем-Метро систем-Пројекат београдског метроа.Београд: Архитектонски факултет

Ђукановић, З. и Живковић, Ј. (2008) Јавна уметност и креирање места: студија случаја – Београд. Београд, Градска општина Стари Град: Архитектонски факултет.

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 6	SRW: 0	Other: 0

Method of carrying out the teaching

Teaching takes place through a combination of various forms of work, such as interactive thematic lectures, case studyt analyses, discussions related to the topic of the project, individual and group student research work, as well as through two workshops - a colloquium in the form of a presentation of student works during the semester, as well as at the public oral defense of the project in the first exam period after the classes held in the semester.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 50**	**Final exam**	**total points 50**
activity during lectures	10	project	40
colloquium(s)	40	oral exam	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: STUDIO M02IU_INTEGRAL URBAN DESIGN -2

Teachers: Ivica Nikolić, Assistant Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

Through research - project work in the studio on researching different spatial solutions (macro and micro scale), students acquire new knowledge based on contemporary paradigms of urban design, which imply the participation of actors and interested parties in the creation, reprogramming and reshaping of space in a pluralistic society.

Outcome of the subject

Understanding of key contemporary disciplinary issues related to the issue of an integral approach to urban design with the aim of sustainable solutions and environmental protection; Knowledge and application of basic methods in an integral approach in the process of analyzing and conceiving solutions in urban design; Practical knowledge of the principles of integral creative solutions for complex urban situations; Ways of involving partners, creating organizational arrangements, ways of financing and mechanisms for implementation in the process of urban design; Ways of evaluating integral solutions, monitoring the process and quality of goals and indicators aimed at performance and realization of solutions.

Subject content

Theoretical teaching

Reviewing the model of planning, creation and shaping of urban spatial units in the dynamic conditions of contemporary socio-economic relations.

Practical teaching

The role of the urban planner (architect) as a proactive participant in the complex city-building process. The urban planner as a "manager of reality", the plan (project) as an active scenario and mechanism of optimal development.

Using the example of selected locations, students simulate the entire process of expected professional, administrative steps and processes, with an emphasis on conceiving and developing solutions of different hierarchical levels of urban design (from master-plan to micro-urban themes).

Literature

Elin, N. (2006) Integral Urbanism. NY: Routledge.

Fainstein, S. (2010) The Just City. New York: Cornell University Press.

Thomas, R. & Fordham, M. (ed.) (2005) Sustainable Urban Design: an environmental approach. London, New York: Spon Press.

Фурунџић,Д. и Петровић, Ј(2022) Инфраструктура: транспорт-будућност урбаног транспорта. Београд: Архитектонски факултет

Корица,Р. и Фурунџић,Д. (2016) Инфраструктура: Независни шински систем-Метро систем-Пројекат београдског метроа.Београд: Архитектонски факултет

Ђукановић, З. и Живковић, Ј. (2008) Јавна уметност и креирање места: студија случаја – Београд. Београд, Градска општина Стари Град: Архитектонски факултет.

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 6	SRW: 0	Other: 0

Method of carrying out the teaching

Teaching takes place through a combination of various forms of work, such as interactive thematic lectures, case studyt analyses, discussions related to the topic of the project, individual and group student research work, as well as through two workshops - a colloquium in the form of a presentation of student works during the semester, as well as at the public oral defense of the project in the first exam period after the classes held in the semester.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 50**	**Final exam**	**total points 50**
activity during lectures	10	project	40
colloquium(s)	40	oral exam	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: STUDIO M03IU_INTEGRAL STRATEGIC PROJECTS -1

Teachers: Ph.D. Ksenija Lalović, Associate Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

- including and understanding the complexity of the dynamics of contemporary urban development, both at the global level and in the local context, with an emphasis on understanding the nature, characteristics and transformations of the processes and objects of urban planning in contemporary conditions in the post-socialist context
- integral understanding and recognition of key aspects of urban development in contemporary conditions through multidimensional analysis of the territory and anticipation of potential and opportunities for sustainable development, through the application of various methods, techniques and tools of integral planning and management of local development.

Outcome of the subject

- Students' ability to research, critically read and understand, compare and hierarchically connect different instruments of territorial and urban development from global policies to local planning practice
- The ability to integrally understand and recognize the key aspects of urban development in contemporary conditions through developed skills in the use of several different methods, techniques and tools of analysis of the local social-economic and ecological-spatial context.
- The ability to take an integral approach to local development, through acquired knowledge about the processes of co-creation of innovative and creative strategies for sustainable urban development, the skills of recognizing and understanding the structure of interest and power of development actors operating in a given context, and the skills of planning a co-creative process
- Ability and skills in using various planning methods, techniques and tools, organization and facilitation of formal and informal group processes of communication and collaboration of actors, development and application of techniques and tools to support group decision-making and formulation of planning solutions
- Developed skills of formulation and argumentation, operational elaboration, implementation planning and budgeting of integral strategic projects, as well as skills of visual and verbal presentation of projects appropriate to the specifics of the context, local development forces and available resources.

Subject content

Theoretical teaching

The theoretical part of the teaching includes getting to know and explaining several congemporary theoretical and conceptual starting points that are in the function of the research task that is carried out as part of professional-applied teaching.

Practical teaching

Teaching in the course is predominantly professional-applicative and is carried out on a specific problem-based task from a real local context. It includes two units:

- an integral approach to local development through the process of identifying and formulating innovative and creative strategies for sustainable urban development using various methods, techniques and tools of territorial analysis, and defining integral development projects
- Management of integral development projects through implementation planning, organization and facilitation of formal and informal group processes of communication and collaboration of development actors, budget planning and required resources for implementation, methods of monitoring and evaluation of achieved results.

Literature

Anguillari, Dimitrijević (eds.) (2108), Integrated urban planning: directions, resources and territories, TU Delft Open, ISBN 978-94-6366-033-4, https://doi.org/10.7480/isbn.9789463660334

Bai, X., Elmqvist, T., Frantzeskaki, N., McPhearson, T., Simon, D., Maddox, D., . . . Roberts, D. (2018). New Integrated Urban Knowledge for the Cities We Want. In T. Elmqvist, X. Bai, N. Frantzeskaki, C. Griffith, D. Maddox, T. McPhearson, et al. (Eds.), Urban Planet: Knowledge towards Sustainable Cities (pp. 462-482). Cambridge: Cambridge University Press. doi:10.1017/9781316647554.055, http://www.cambridge.org/9781107196933

EU. (2020). The Leipzig Charter - The transformative power of cities for the common good. Adopted at the Informal Ministerial Meeting on Urban Matters on 30 November 2020

UN-HABITAT. (2018). International Guidelines on Urban and Territorial Planning (IG-UTP) Handbook. United Nations Human Settlements Programme.				
Number of active teaching classes				Other: 0
Lectures: 0	Exercises: 0	OFL: 6	SRW: 0	
Method of carrying out the teaching Teaching in the course is conducted through the studio based learning method. Teaching includes practical research work in the field, critical research and analysis of literature and documents, debates, workshops, as well as individual practical work on the preparation of parts of project documentation.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	**total points 50**	**Final exam**	**total points 50**	
practical teaching	10	project	40	
colloquium(s)	40	oral exam	10	

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: STUDIO M03IU_INTEGRAL STRATEGIC PROJECTS -2

Teachers: Ph.D. Ratka Čolić, Associate Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

- including and understanding the complexity of the dynamics of contemporary urban development, both at the global level and in the local context, with an emphasis on understanding the nature, characteristics and transformations of the processes and objects of urban planning in contemporary conditions in the post-socialist context
- integral understanding and recognition of key aspects of urban development in contemporary conditions through multidimensional analysis of the territory and anticipation of potential and opportunities for sustainable development, through the application of various methods, techniques and tools of integral planning and management of local development.

Outcome of the subject

- Students' ability to research, critically read and understand, compare and hierarchically connect different instruments of territorial and urban development from global policies to local planning practice
- The ability to integrally understand and recognize the key aspects of urban development in contemporary conditions through developed skills in the use of several different methods, techniques and tools of analysis of the local social-economic and ecological-spatial context.
- The ability to take an integral approach to local development, through acquired knowledge about the processes of co-creation of innovative and creative strategies for sustainable urban development, the skills of recognizing and understanding the structure of interest and power of development actors operating in a given context, and the skills of planning a co-creative process
- Ability and skills in using various planning methods, techniques and tools, organization and facilitation of formal and informal group processes of communication and collaboration of actors, development and application of techniques and tools to support group decision-making and formulation of planning solutions
- Developed skills of formulation and argumentation, operational elaboration, implementation planning and budgeting of integral strategic projects, as well as skills of visual and verbal presentation of projects appropriate to the specifics of the context, local development forces and available resources.

Subject content

Theoretical teaching

The theoretical part of the teaching includes getting to know and explaining several congemporary theoretical and conceptual starting points that are in the function of the research task that is carried out as part of professional-applied teaching.

Practical teaching

Teaching in the course is predominantly professional-applicative and is carried out on a specific problem-based task from a real local context. It includes two units:

- an integral approach to local development through the process of identifying and formulating innovative and creative strategies for sustainable urban development using various methods, techniques and tools of territorial analysis, and defining integral development projects
- Management of integral development projects through implementation planning, organization and facilitation of formal and informal group processes of communication and collaboration of development actors, budget planning and required resources for implementation, methods of monitoring and evaluation of achieved results.

Literature

Anguillari, Dimitrijević (eds.) (2108), Integrated urban planning: directions, resources and territories, TU Delft Open, ISBN 978-94-6366-033-4, https://doi.org/10.7480/isbn.9789463660334

Bai, X., Elmqvist, T., Frantzeskaki, N., McPhearson, T., Simon, D., Maddox, D., . . . Roberts, D. (2018). New Integrated Urban Knowledge for the Cities We Want. In T. Elmqvist, X. Bai, N. Frantzeskaki, C. Griffith, D. Maddox, T. McPhearson, et al. (Eds.), Urban Planet: Knowledge towards Sustainable Cities (pp. 462-482). Cambridge: Cambridge University Press. doi:10.1017/9781316647554.055, http://www.cambridge.org/9781107196933

EU. (2020). The Leipzig Charter - The transformative power of cities for the common good. Adopted at the Informal Ministerial Meeting on Urban Matters on 30 November 2020

UN-HABITAT. (2018). International Guidelines on Urban and Territorial Planning (IG-UTP) Handbook. United Nations Human Settlements Programme.				
Number of active teaching classes				Other: 0
Lectures: 0	Exercises: 0	OFL: 6	SRW: 0	
Method of carrying out the teaching Teaching in the course is conducted through the studio based learning method. Teaching includes practical research work in the field, critical research and analysis of literature and documents, debates, workshops, as well as individual practical work on the preparation of parts of project documentation.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	**total points 50**	**Final exam**	**total points 50**	
practical teaching	10	project	40	
colloquium(s)	40	oral exam	10	

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER THESIS – IU -01

Teachers: PhD Marija Maruna, Full Professor

Status of the subject: elective

Number of ECTS credits: 5

Conditions: /

Subject goal

The aim of the course is to train students for independent research, familiarization with different approaches and methods of research, conception and development of research, types of literature to use, as well as forms of presentation of research work.

Outcome of the subject

The outcome of the course is training students for independent research work, connecting previously acquired knowledge and skills and conceiving and applying acquired knowledge in the field of integral urbanism. Development of the ability of logical reasoning, formation of attitudes, information processing and drawing conclusions, as well as training students for the finalization and presentation of research work.

Subject content

Theoretical teaching

Theoretical teaching includes: state of the art analysis in the field of research, overview of current topics/problems in the field of research, activity plan during research, basics of literature research, fundamental methodological approaches in research, basic methods of data collection, approaches to analysis, interpretation and presentation of research results.

Practical teaching

Practical work on the course implies students' independent research work in the selected focus area, within which they choose and define the topic, review various theoretical approaches and previous research on the topic, shape the theoretical framework of the work, define the methodological approach and select an adequate research method for the proposed topic that will be processed in the master's project. The result of the work is the formulation of the thesis and the definition of the research project. The thesis is viewed and formulated in relation to current theoretical and practical problems of urban development. The research project reflects an integral approach to researching the topic.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of scientific research

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	Other: /

Method of carrying out the teaching

Teaching is realized through lectures, research work of students and mentoring work. The master's thesis is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	written paper	50
colloquim	10	oral thesis defence	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER THESIS – IU -02

Teachers: PhD Zoran Đukanović, Full Professor

Status of the subject: elective

Number of ECTS credits: 5

Conditions: /

Subject goal

The aim of the course is to train students for independent research, familiarization with different approaches and methods of research, conception and development of research, types of literature to use, as well as forms of presentation of research work.

Outcome of the subject

The outcome of the course is training students for independent research work, connecting previously acquired knowledge and skills and conceiving and applying acquired knowledge in the field of integral urbanism. Development of the ability of logical reasoning, formation of attitudes, information processing and drawing conclusions, as well as training students for the finalization and presentation of research work.

Subject content

Theoretical teaching

Theoretical teaching includes: state of the art analysis in the field of research, overview of current topics/problems in the field of research, activity plan during research, basics of literature research, fundamental methodological approaches in research, basic methods of data collection, approaches to analysis, interpretation and presentation of research results.

Practical teaching

Practical work on the course implies students' independent research work in the selected focus area, within which they choose and define the topic, review various theoretical approaches and previous research on the topic, shape the theoretical framework of the work, define the methodological approach and select an adequate research method for the proposed topic that will be processed in the master's project. The result of the work is the formulation of the thesis and the definition of the research project. The thesis is viewed and formulated in relation to current theoretical and practical problems of urban development. The research project reflects an integral approach to researching the topic.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of scientific research

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	Other: /

Method of carrying out the teaching

Teaching is realized through lectures, research work of students and mentoring work. The master's thesis is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	written paper	50
colloquim	10	oral thesis defence	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER THESIS – IU -03

Teachers: PhD Ksenija Lalović, Associate Professor

Status of the subject: elective

Number of ECTS credits: 5

Conditions: /

Subject goal

The aim of the course is to train students for independent research, familiarization with different approaches and methods of research, conception and development of research, types of literature to use, as well as forms of presentation of research work.

Outcome of the subject

The outcome of the course is training students for independent research work, connecting previously acquired knowledge and skills and conceiving and applying acquired knowledge in the field of integral urbanism. Development of the ability of logical reasoning, formation of attitudes, information processing and drawing conclusions, as well as training students for the finalization and presentation of research work.

Subject content

Theoretical teaching

Theoretical teaching includes: state of the art analysis in the field of research, overview of current topics/problems in the field of research, activity plan during research, basics of literature research, fundamental methodological approaches in research, basic methods of data collection, approaches to analysis, interpretation and presentation of research results.

Practical teaching

Practical work on the course implies students' independent research work in the selected focus area, within which they choose and define the topic, review various theoretical approaches and previous research on the topic, shape the theoretical framework of the work, define the methodological approach and select an adequate research method for the proposed topic that will be processed in the master's project. The result of the work is the formulation of the thesis and the definition of the research project. The thesis is viewed and formulated in relation to current theoretical and practical problems of urban development. The research project reflects an integral approach to researching the topic.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of scientific research

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	Other: /

Method of carrying out the teaching

Teaching is realized through lectures, research work of students and mentoring work. The master's thesis is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	written paper	50
colloquim	10	oral thesis defence	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER THESIS – IU -04

Teachers: PhD Jelena Živković, Associate Professor

Status of the subject: elective

Number of ECTS credits: 5

Conditions: /

Subject goal

The aim of the course is to train students for independent research, familiarization with different approaches and methods of research, conception and development of research, types of literature to use, as well as forms of presentation of research work.

Outcome of the subject

The outcome of the course is training students for independent research work, connecting previously acquired knowledge and skills and conceiving and applying acquired knowledge in the field of integral urbanism. Development of the ability of logical reasoning, formation of attitudes, information processing and drawing conclusions, as well as training students for the finalization and presentation of research work.

Subject content

Theoretical teaching

Theoretical teaching includes: state of the art analysis in the field of research, overview of current topics/problems in the field of research, activity plan during research, basics of literature research, fundamental methodological approaches in research, basic methods of data collection, approaches to analysis, interpretation and presentation of research results.

Practical teaching

Practical work on the course implies students' independent research work in the selected focus area, within which they choose and define the topic, review various theoretical approaches and previous research on the topic, shape the theoretical framework of the work, define the methodological approach and select an adequate research method for the proposed topic that will be processed in the master's project. The result of the work is the formulation of the thesis and the definition of the research project. The thesis is viewed and formulated in relation to current theoretical and practical problems of urban development. The research project reflects an integral approach to researching the topic.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of scientific research

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	Other: /

Method of carrying out the teaching

Teaching is realized through lectures, research work of students and mentoring work. The master's thesis is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	written paper	50
colloquim	10	oral thesis defence	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER THESIS – IU -05

Teachers: PhD Vladimir Mihajlov, Associate Professor

Status of the subject: elective

Number of ECTS credits: 5

Conditions: /

Subject goal

The aim of the course is to train students for independent research, familiarization with different approaches and methods of research, conception and development of research, types of literature to use, as well as forms of presentation of research work.

Outcome of the subject

The outcome of the course is training students for independent research work, connecting previously acquired knowledge and skills and conceiving and applying acquired knowledge in the field of integral urbanism. Development of the ability of logical reasoning, formation of attitudes, information processing and drawing conclusions, as well as training students for the finalization and presentation of research work.

Subject content

Theoretical teaching

Theoretical teaching includes: state of the art analysis in the field of research, overview of current topics/problems in the field of research, activity plan during research, basics of literature research, fundamental methodological approaches in research, basic methods of data collection, approaches to analysis, interpretation and presentation of research results.

Practical teaching

Practical work on the course implies students' independent research work in the selected focus area, within which they choose and define the topic, review various theoretical approaches and previous research on the topic, shape the theoretical framework of the work, define the methodological approach and select an adequate research method for the proposed topic that will be processed in the master's project. The result of the work is the formulation of the thesis and the definition of the research project. The thesis is viewed and formulated in relation to current theoretical and practical problems of urban development. The research project reflects an integral approach to researching the topic.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of scientific research

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	Other: /

Method of carrying out the teaching

Teaching is realized through lectures, research work of students and mentoring work. The master's thesis is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	written paper	50
colloquim	10	oral thesis defence	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER THESIS – IU -06

Teachers: PhD Uroš Radosavljević, Associate Professor

Status of the subject: elective

Number of ECTS credits: 5

Conditions: /

Subject goal

The aim of the course is to train students for independent research, familiarization with different approaches and methods of research, conception and development of research, types of literature to use, as well as forms of presentation of research work.

Outcome of the subject

The outcome of the course is training students for independent research work, connecting previously acquired knowledge and skills and conceiving and applying acquired knowledge in the field of integral urbanism. Development of the ability of logical reasoning, formation of attitudes, information processing and drawing conclusions, as well as training students for the finalization and presentation of research work.

Subject content

Theoretical teaching

Theoretical teaching includes: state of the art analysis in the field of research, overview of current topics/problems in the field of research, activity plan during research, basics of literature research, fundamental methodological approaches in research, basic methods of data collection, approaches to analysis, interpretation and presentation of research results.

Practical teaching

Practical work on the course implies students' independent research work in the selected focus area, within which they choose and define the topic, review various theoretical approaches and previous research on the topic, shape the theoretical framework of the work, define the methodological approach and select an adequate research method for the proposed topic that will be processed in the master's project. The result of the work is the formulation of the thesis and the definition of the research project. The thesis is viewed and formulated in relation to current theoretical and practical problems of urban development. The research project reflects an integral approach to researching the topic.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of scientific research

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	Other: /

Method of carrying out the teaching

Teaching is realized through lectures, research work of students and mentoring work. The master's thesis is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	written paper	50
colloquim	10	oral thesis defence	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER THESIS – IU -07

Teachers: PhD Ratka Čolić, Associate Professor

Status of the subject: elective

Number of ECTS credits: 5

Conditions: /

Subject goal

The aim of the course is to train students for independent research, familiarization with different approaches and methods of research, conception and development of research, types of literature to use, as well as forms of presentation of research work.

Outcome of the subject

The outcome of the course is training students for independent research work, connecting previously acquired knowledge and skills and conceiving and applying acquired knowledge in the field of integral urbanism. Development of the ability of logical reasoning, formation of attitudes, information processing and drawing conclusions, as well as training students for the finalization and presentation of research work.

Subject content

Theoretical teaching

Theoretical teaching includes: state of the art analysis in the field of research, overview of current topics/problems in the field of research, activity plan during research, basics of literature research, fundamental methodological approaches in research, basic methods of data collection, approaches to analysis, interpretation and presentation of research results.

Practical teaching

Practical work on the course implies students' independent research work in the selected focus area, within which they choose and define the topic, review various theoretical approaches and previous research on the topic, shape the theoretical framework of the work, define the methodological approach and select an adequate research method for the proposed topic that will be processed in the master's project. The result of the work is the formulation of the thesis and the definition of the research project. The thesis is viewed and formulated in relation to current theoretical and practical problems of urban development. The research project reflects an integral approach to researching the topic.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of scientific research

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	Other: /

Method of carrying out the teaching

Teaching is realized through lectures, research work of students and mentoring work. The master's thesis is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	written paper	50
colloquim	10	oral thesis defence	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER THESIS – IU -08

Teachers: PhD Danijela Milovanović Rodić, Assistant Professor

Status of the subject: elective

Number of ECTS credits: 5

Conditions: /

Subject goal

The aim of the course is to train students for independent research, familiarization with different approaches and methods of research, conception and development of research, types of literature to use, as well as forms of presentation of research work.

Outcome of the subject

The outcome of the course is training students for independent research work, connecting previously acquired knowledge and skills and conceiving and applying acquired knowledge in the field of integral urbanism. Development of the ability of logical reasoning, formation of attitudes, information processing and drawing conclusions, as well as training students for the finalization and presentation of research work.

Subject content

Theoretical teaching

Theoretical teaching includes: state of the art analysis in the field of research, overview of current topics/problems in the field of research, activity plan during research, basics of literature research, fundamental methodological approaches in research, basic methods of data collection, approaches to analysis, interpretation and presentation of research results.

Practical teaching

Practical work on the course implies students' independent research work in the selected focus area, within which they choose and define the topic, review various theoretical approaches and previous research on the topic, shape the theoretical framework of the work, define the methodological approach and select an adequate research method for the proposed topic that will be processed in the master's project. The result of the work is the formulation of the thesis and the definition of the research project. The thesis is viewed and formulated in relation to current theoretical and practical problems of urban development. The research project reflects an integral approach to researching the topic.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of scientific research

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	Other: /

Method of carrying out the teaching

Teaching is realized through lectures, research work of students and mentoring work. The master's thesis is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	written paper	50
colloquim	10	oral thesis defence	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER THESIS – IU -09

Teachers: PhD Danilo Furundžić, Associate Professor

Status of the subject: elective

Number of ECTS credits: 5

Conditions: /

Subject goal

The aim of the course is to train students for independent research, familiarization with different approaches and methods of research, conception and development of research, types of literature to use, as well as forms of presentation of research work.

Outcome of the subject

The outcome of the course is training students for independent research work, connecting previously acquired knowledge and skills and conceiving and applying acquired knowledge in the field of integral urbanism. Development of the ability of logical reasoning, formation of attitudes, information processing and drawing conclusions, as well as training students for the finalization and presentation of research work.

Subject content

Theoretical teaching

Theoretical teaching includes: state of the art analysis in the field of research, overview of current topics/problems in the field of research, activity plan during research, basics of literature research, fundamental methodological approaches in research, basic methods of data collection, approaches to analysis, interpretation and presentation of research results.

Practical teaching

Practical work on the course implies students' independent research work in the selected focus area, within which they choose and define the topic, review various theoretical approaches and previous research on the topic, shape the theoretical framework of the work, define the methodological approach and select an adequate research method for the proposed topic that will be processed in the master's project. The result of the work is the formulation of the thesis and the definition of the research project. The thesis is viewed and formulated in relation to current theoretical and practical problems of urban development. The research project reflects an integral approach to researching the topic.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of scientific research

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	Other: /

Method of carrying out the teaching

Teaching is realized through lectures, research work of students and mentoring work. The master's thesis is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	written paper	50
colloquim	10	oral thesis defence	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER THESIS – IU -10

Teachers: PhD Milica Milojević, Associate Professor

Status of the subject: elective

Number of ECTS credits: 5

Conditions: /

Subject goal

The aim of the course is to train students for independent research, familiarization with different approaches and methods of research, conception and development of research, types of literature to use, as well as forms of presentation of research work.

Outcome of the subject

The outcome of the course is training students for independent research work, connecting previously acquired knowledge and skills and conceiving and applying acquired knowledge in the field of integral urbanism. Development of the ability of logical reasoning, formation of attitudes, information processing and drawing conclusions, as well as training students for the finalization and presentation of research work.

Subject content

Theoretical teaching

Theoretical teaching includes: state of the art analysis in the field of research, overview of current topics/problems in the field of research, activity plan during research, basics of literature research, fundamental methodological approaches in research, basic methods of data collection, approaches to analysis, interpretation and presentation of research results.

Practical teaching

Practical work on the course implies students' independent research work in the selected focus area, within which they choose and define the topic, review various theoretical approaches and previous research on the topic, shape the theoretical framework of the work, define the methodological approach and select an adequate research method for the proposed topic that will be processed in the master's project. The result of the work is the formulation of the thesis and the definition of the research project. The thesis is viewed and formulated in relation to current theoretical and practical problems of urban development. The research project reflects an integral approach to researching the topic.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of scientific research

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	Other: /

Method of carrying out the teaching

Teaching is realized through lectures, research work of students and mentoring work. The master's thesis is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	written paper	50
colloquim	10	oral thesis defence	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER THESIS – IU -11

Teachers: Ivica Nikolić, Assistant Professor

Status of the subject: elective

Number of ECTS credits: 5

Conditions: /

Subject goal

The aim of the course is to train students for independent research, familiarization with different approaches and methods of research, conception and development of research, types of literature to use, as well as forms of presentation of research work.

Outcome of the subject

The outcome of the course is training students for independent research work, connecting previously acquired knowledge and skills and conceiving and applying acquired knowledge in the field of integral urbanism. Development of the ability of logical reasoning, formation of attitudes, information processing and drawing conclusions, as well as training students for the finalization and presentation of research work.

Subject content

Theoretical teaching

Theoretical teaching includes: state of the art analysis in the field of research, overview of current topics/problems in the field of research, activity plan during research, basics of literature research, fundamental methodological approaches in research, basic methods of data collection, approaches to analysis, interpretation and presentation of research results.

Practical teaching

Practical work on the course implies students' independent research work in the selected focus area, within which they choose and define the topic, review various theoretical approaches and previous research on the topic, shape the theoretical framework of the work, define the methodological approach and select an adequate research method for the proposed topic that will be processed in the master's project. The result of the work is the formulation of the thesis and the definition of the research project. The thesis is viewed and formulated in relation to current theoretical and practical problems of urban development. The research project reflects an integral approach to researching the topic.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of scientific research

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	Other: /

Method of carrying out the teaching

Teaching is realized through lectures, research work of students and mentoring work. The master's thesis is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	written paper	50
colloquim	10	oral thesis defence	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER THESIS – IU -12

Teachers: PhD Ivan Simić, Assistant Professor

Status of the subject: elective

Number of ECTS credits: 5

Conditions: /

Subject goal

The aim of the course is to train students for independent research, familiarization with different approaches and methods of research, conception and development of research, types of literature to use, as well as forms of presentation of research work.

Outcome of the subject

The outcome of the course is training students for independent research work, connecting previously acquired knowledge and skills and conceiving and applying acquired knowledge in the field of integral urbanism. Development of the ability of logical reasoning, formation of attitudes, information processing and drawing conclusions, as well as training students for the finalization and presentation of research work.

Subject content

Theoretical teaching

Theoretical teaching includes: state of the art analysis in the field of research, overview of current topics/problems in the field of research, activity plan during research, basics of literature research, fundamental methodological approaches in research, basic methods of data collection, approaches to analysis, interpretation and presentation of research results.

Practical teaching

Practical work on the course implies students' independent research work in the selected focus area, within which they choose and define the topic, review various theoretical approaches and previous research on the topic, shape the theoretical framework of the work, define the methodological approach and select an adequate research method for the proposed topic that will be processed in the master's project. The result of the work is the formulation of the thesis and the definition of the research project. The thesis is viewed and formulated in relation to current theoretical and practical problems of urban development. The research project reflects an integral approach to researching the topic.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of scientific research

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	Other: /

Method of carrying out the teaching

Teaching is realized through lectures, research work of students and mentoring work. The master's thesis is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	written paper	50
colloquim	10	oral thesis defence	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER THESIS – IU -13

Teachers: PhD Biserka Mitrović, Associate Professor

Status of the subject: elective

Number of ECTS credits: 5

Conditions: /

Subject goal

The aim of the course is to train students for independent research, familiarization with different approaches and methods of research, conception and development of research, types of literature to use, as well as forms of presentation of research work.

Outcome of the subject

The outcome of the course is training students for independent research work, connecting previously acquired knowledge and skills and conceiving and applying acquired knowledge in the field of integral urbanism. Development of the ability of logical reasoning, formation of attitudes, information processing and drawing conclusions, as well as training students for the finalization and presentation of research work.

Subject content

Theoretical teaching

Theoretical teaching includes: state of the art analysis in the field of research, overview of current topics/problems in the field of research, activity plan during research, basics of literature research, fundamental methodological approaches in research, basic methods of data collection, approaches to analysis, interpretation and presentation of research results.

Practical teaching

Practical work on the course implies students' independent research work in the selected focus area, within which they choose and define the topic, review various theoretical approaches and previous research on the topic, shape the theoretical framework of the work, define the methodological approach and select an adequate research method for the proposed topic that will be processed in the master's project. The result of the work is the formulation of the thesis and the definition of the research project. The thesis is viewed and formulated in relation to current theoretical and practical problems of urban development. The research project reflects an integral approach to researching the topic.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of scientific research

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 2	SRW: 4	Other: /

Method of carrying out the teaching

Teaching is realized through lectures, research work of students and mentoring work. The master's thesis is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	written paper	50
colloquim	10	oral thesis defence	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER PROJECT – IU -01

Teachers: PhD. Marija Maruna, Full Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The aim of the course is to train students for an independent approach to the process of creating research projects, as well as establishing the theoretical and methodological foundations of individual final master's projects, as well as the forms of project presentation.

Outcome of the subject

The outcome of the course is the training of students for independent research, modeling, shaping and structuring of programs and project concepts. Training the student for the application of theoretical knowledge in the realization of a concrete application task in the field of integral urbanism, as well as for the finalization and presentation of the project.

Subject content

The Master's project represents an independent work on the application of an integral approach in the research and shaping of space on a real polygon and directing urban development within the theme defined by the Master's thesis. The work on the master's project is based on the synthesis of previously acquired knowledge and skills and involves their application in research and practical work, within the selected topic, specific development context and defined research area. Practical teaching in the subject includes the research and application part of the work on the project within the theoretical and methodological framework defined by the master's thesis.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of research through design

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 4	SRW: 8	Other: /

Method of carrying out the teaching

Teaching is realized through interactive forms of teaching, student research work and mentoring work. The master project is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	master project	50
colloquim	10	oral defence of project	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER PROJECT – IU -02

Teachers: PhD. Zoran Đukanović, Full Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The aim of the course is to train students for an independent approach to the process of creating research projects, as well as establishing the theoretical and methodological foundations of individual final master's projects, as well as the forms of project presentation.

Outcome of the subject

The outcome of the course is the training of students for independent research, modeling, shaping and structuring of programs and project concepts. Training the student for the application of theoretical knowledge in the realization of a concrete application task in the field of integral urbanism, as well as for the finalization and presentation of the project.

Subject content

The Master's project represents an independent work on the application of an integral approach in the research and shaping of space on a real polygon and directing urban development within the theme defined by the Master's thesis. The work on the master's project is based on the synthesis of previously acquired knowledge and skills and involves their application in research and practical work, within the selected topic, specific development context and defined research area. Practical teaching in the subject includes the research and application part of the work on the project within the theoretical and methodological framework defined by the master's thesis.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of research through design

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 4	SRW: 8	Other: /

Method of carrying out the teaching

Teaching is realized through interactive forms of teaching, student research work and mentoring work. The master project is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	master project	50
colloquim	10	oral defence of project	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER PROJECT – IU -03

Teachers: PhD. Ksenija Lalović, Associate Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The aim of the course is to train students for an independent approach to the process of creating research projects, as well as establishing the theoretical and methodological foundations of individual final master's projects, as well as the forms of project presentation.

Outcome of the subject

The outcome of the course is the training of students for independent research, modeling, shaping and structuring of programs and project concepts. Training the student for the application of theoretical knowledge in the realization of a concrete application task in the field of integral urbanism, as well as for the finalization and presentation of the project.

Subject content

The Master's project represents an independent work on the application of an integral approach in the research and shaping of space on a real polygon and directing urban development within the theme defined by the Master's thesis. The work on the master's project is based on the synthesis of previously acquired knowledge and skills and involves their application in research and practical work, within the selected topic, specific development context and defined research area. Practical teaching in the subject includes the research and application part of the work on the project within the theoretical and methodological framework defined by the master's thesis.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of research through design

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 4	SRW: 8	Other: /

Method of carrying out the teaching

Teaching is realized through interactive forms of teaching, student research work and mentoring work. The master project is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	master project	50
colloquim	10	oral defence of project	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER PROJECT – IU -04

Teachers: PhD. Jelena Živković, Associate Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The aim of the course is to train students for an independent approach to the process of creating research projects, as well as establishing the theoretical and methodological foundations of individual final master's projects, as well as the forms of project presentation.

Outcome of the subject

The outcome of the course is the training of students for independent research, modeling, shaping and structuring of programs and project concepts. Training the student for the application of theoretical knowledge in the realization of a concrete application task in the field of integral urbanism, as well as for the finalization and presentation of the project.

Subject content

The Master's project represents an independent work on the application of an integral approach in the research and shaping of space on a real polygon and directing urban development within the theme defined by the Master's thesis. The work on the master's project is based on the synthesis of previously acquired knowledge and skills and involves their application in research and practical work, within the selected topic, specific development context and defined research area. Practical teaching in the subject includes the research and application part of the work on the project within the theoretical and methodological framework defined by the master's thesis.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of research through design

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 4	SRW: 8	Other: /

Method of carrying out the teaching

Teaching is realized through interactive forms of teaching, student research work and mentoring work. The master project is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	master project	50
colloquim	10	oral defence of project	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER PROJECT – IU -05

Teachers: PhD. Vladimir Mihajlov, Associate Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The aim of the course is to train students for an independent approach to the process of creating research projects, as well as establishing the theoretical and methodological foundations of individual final master's projects, as well as the forms of project presentation.

Outcome of the subject

The outcome of the course is the training of students for independent research, modeling, shaping and structuring of programs and project concepts. Training the student for the application of theoretical knowledge in the realization of a concrete application task in the field of integral urbanism, as well as for the finalization and presentation of the project.

Subject content

The Master's project represents an independent work on the application of an integral approach in the research and shaping of space on a real polygon and directing urban development within the theme defined by the Master's thesis. The work on the master's project is based on the synthesis of previously acquired knowledge and skills and involves their application in research and practical work, within the selected topic, specific development context and defined research area. Practical teaching in the subject includes the research and application part of the work on the project within the theoretical and methodological framework defined by the master's thesis.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of research through design

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 4	SRW: 8	Other: /

Method of carrying out the teaching

Teaching is realized through interactive forms of teaching, student research work and mentoring work. The master project is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	master project	50
colloquim	10	oral defence of project	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER PROJECT – IU -06

Teachers: PhD. Uroš Radosavljević, Associate Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The aim of the course is to train students for an independent approach to the process of creating research projects, as well as establishing the theoretical and methodological foundations of individual final master's projects, as well as the forms of project presentation.

Outcome of the subject

The outcome of the course is the training of students for independent research, modeling, shaping and structuring of programs and project concepts. Training the student for the application of theoretical knowledge in the realization of a concrete application task in the field of integral urbanism, as well as for the finalization and presentation of the project.

Subject content

The Master's project represents an independent work on the application of an integral approach in the research and shaping of space on a real polygon and directing urban development within the theme defined by the Master's thesis. The work on the master's project is based on the synthesis of previously acquired knowledge and skills and involves their application in research and practical work, within the selected topic, specific development context and defined research area. Practical teaching in the subject includes the research and application part of the work on the project within the theoretical and methodological framework defined by the master's thesis.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of research through design

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 4	SRW: 8	Other: /

Method of carrying out the teaching

Teaching is realized through interactive forms of teaching, student research work and mentoring work. The master project is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	master project	50
colloquim	10	oral defence of project	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER PROJECT – IU -07

Teachers: PhD. Ratka Čolić, Associate Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The aim of the course is to train students for an independent approach to the process of creating research projects, as well as establishing the theoretical and methodological foundations of individual final master's projects, as well as the forms of project presentation.

Outcome of the subject

The outcome of the course is the training of students for independent research, modeling, shaping and structuring of programs and project concepts. Training the student for the application of theoretical knowledge in the realization of a concrete application task in the field of integral urbanism, as well as for the finalization and presentation of the project.

Subject content

The Master's project represents an independent work on the application of an integral approach in the research and shaping of space on a real polygon and directing urban development within the theme defined by the Master's thesis. The work on the master's project is based on the synthesis of previously acquired knowledge and skills and involves their application in research and practical work, within the selected topic, specific development context and defined research area. Practical teaching in the subject includes the research and application part of the work on the project within the theoretical and methodological framework defined by the master's thesis.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of research through design

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 4	SRW: 8	Other: /

Method of carrying out the teaching

Teaching is realized through interactive forms of teaching, student research work and mentoring work. The master project is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	master project	50
colloquim	10	oral defence of project	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER PROJECT – IU -08

Teachers: PhD. Danijela Milovanović Rodić, Assistant Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The aim of the course is to train students for an independent approach to the process of creating research projects, as well as establishing the theoretical and methodological foundations of individual final master's projects, as well as the forms of project presentation.

Outcome of the subject

The outcome of the course is the training of students for independent research, modeling, shaping and structuring of programs and project concepts. Training the student for the application of theoretical knowledge in the realization of a concrete application task in the field of integral urbanism, as well as for the finalization and presentation of the project.

Subject content

The Master's project represents an independent work on the application of an integral approach in the research and shaping of space on a real polygon and directing urban development within the theme defined by the Master's thesis. The work on the master's project is based on the synthesis of previously acquired knowledge and skills and involves their application in research and practical work, within the selected topic, specific development context and defined research area. Practical teaching in the subject includes the research and application part of the work on the project within the theoretical and methodological framework defined by the master's thesis.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of research through design

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 4	SRW: 8	Other: /

Method of carrying out the teaching

Teaching is realized through interactive forms of teaching, student research work and mentoring work. The master project is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	master project	50
colloquim	10	oral defence of project	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER PROJECT – IU -09

Teachers: PhD. Danilo Furundzić, Associate Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The aim of the course is to train students for an independent approach to the process of creating research projects, as well as establishing the theoretical and methodological foundations of individual final master's projects, as well as the forms of project presentation.

Outcome of the subject

The outcome of the course is the training of students for independent research, modeling, shaping and structuring of programs and project concepts. Training the student for the application of theoretical knowledge in the realization of a concrete application task in the field of integral urbanism, as well as for the finalization and presentation of the project.

Subject content

The Master's project represents an independent work on the application of an integral approach in the research and shaping of space on a real polygon and directing urban development within the theme defined by the Master's thesis. The work on the master's project is based on the synthesis of previously acquired knowledge and skills and involves their application in research and practical work, within the selected topic, specific development context and defined research area. Practical teaching in the subject includes the research and application part of the work on the project within the theoretical and methodological framework defined by the master's thesis.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of research through design

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 4	SRW: 8	Other: /

Method of carrying out the teaching

Teaching is realized through interactive forms of teaching, student research work and mentoring work. The master project is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	master project	50
colloquim	10	oral defence of project	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER PROJECT – IU -10

Teachers: PhD. Milica Milojević, Associate Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The aim of the course is to train students for an independent approach to the process of creating research projects, as well as establishing the theoretical and methodological foundations of individual final master's projects, as well as the forms of project presentation.

Outcome of the subject

The outcome of the course is the training of students for independent research, modeling, shaping and structuring of programs and project concepts. Training the student for the application of theoretical knowledge in the realization of a concrete application task in the field of integral urbanism, as well as for the finalization and presentation of the project.

Subject content

The Master's project represents an independent work on the application of an integral approach in the research and shaping of space on a real polygon and directing urban development within the theme defined by the Master's thesis. The work on the master's project is based on the synthesis of previously acquired knowledge and skills and involves their application in research and practical work, within the selected topic, specific development context and defined research area. Practical teaching in the subject includes the research and application part of the work on the project within the theoretical and methodological framework defined by the master's thesis.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of research through design

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 4	SRW: 8	Other: /

Method of carrying out the teaching

Teaching is realized through interactive forms of teaching, student research work and mentoring work. The master project is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	master project	50
colloquim	10	oral defence of project	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER PROJECT – IU -11

Teachers: Ivica Nikolić, Assistant Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The aim of the course is to train students for an independent approach to the process of creating research projects, as well as establishing the theoretical and methodological foundations of individual final master's projects, as well as the forms of project presentation.

Outcome of the subject

The outcome of the course is the training of students for independent research, modeling, shaping and structuring of programs and project concepts. Training the student for the application of theoretical knowledge in the realization of a concrete application task in the field of integral urbanism, as well as for the finalization and presentation of the project.

Subject content

The Master's project represents an independent work on the application of an integral approach in the research and shaping of space on a real polygon and directing urban development within the theme defined by the Master's thesis. The work on the master's project is based on the synthesis of previously acquired knowledge and skills and involves their application in research and practical work, within the selected topic, specific development context and defined research area. Practical teaching in the subject includes the research and application part of the work on the project within the theoretical and methodological framework defined by the master's thesis.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of research through design

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 4	SRW: 8	Other: /

Method of carrying out the teaching

Teaching is realized through interactive forms of teaching, student research work and mentoring work. The master project is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	master project	50
colloquim	10	oral defence of project	10

Table 5.2 Specification of subject

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM				
Name of the subject: MASTER PROJECT – IU -12				
Teachers: PhD Ivan Simić, Assistant Professor				
Status of the subject: elective				
Number of ECTS credits: 10				
Conditions: /				
Subject goal The aim of the course is to train students for an independent approach to the process of creating research projects, as well as establishing the theoretical and methodological foundations of individual final master's projects, as well as the forms of project presentation.				
Outcome of the subject The outcome of the course is the training of students for independent research, modeling, shaping and structuring of programs and project concepts. Training the student for the application of theoretical knowledge in the realization of a concrete application task in the field of integral urbanism, as well as for the finalization and presentation of the project.				
Subject content The Master's project represents an independent work on the application of an integral approach in the research and shaping of space on a real polygon and directing urban development within the theme defined by the Master's thesis. The work on the master's project is based on the synthesis of previously acquired knowledge and skills and involves their application in research and practical work, within the selected topic, specific development context and defined research area. Practical teaching in the subject includes the research and application part of the work on the project within the theoretical and methodological framework defined by the master's thesis.				
Literature: Literature recommended by the mentor Literature suggested by the student and accepted by the mentor Methodology of research through design				
Number of active teaching classes				Other: /
Lectures: 0	Exercises: 0	OFL: 4	SRW: 8	
Method of carrying out the teaching Teaching is realized through interactive forms of teaching, student research work and mentoring work. The master project is presented and defended before the committee.				
Evaluation of knowledge (maximum number of points 100)				
Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**	
practical work	30	master project	50	
colloquim	10	oral defence of project	10	

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MASTER PROJECT – IU -13

Teachers: PhD Biserka Mitrović, Associate Professor

Status of the subject: elective

Number of ECTS credits: 10

Conditions: /

Subject goal

The aim of the course is to train students for an independent approach to the process of creating research projects, as well as establishing the theoretical and methodological foundations of individual final master's projects, as well as the forms of project presentation.

Outcome of the subject

The outcome of the course is the training of students for independent research, modeling, shaping and structuring of programs and project concepts. Training the student for the application of theoretical knowledge in the realization of a concrete application task in the field of integral urbanism, as well as for the finalization and presentation of the project.

Subject content

The Master's project represents an independent work on the application of an integral approach in the research and shaping of space on a real polygon and directing urban development within the theme defined by the Master's thesis. The work on the master's project is based on the synthesis of previously acquired knowledge and skills and involves their application in research and practical work, within the selected topic, specific development context and defined research area. Practical teaching in the subject includes the research and application part of the work on the project within the theoretical and methodological framework defined by the master's thesis.

Literature:

Literature recommended by the mentor

Literature suggested by the student and accepted by the mentor

Methodology of research through design

Number of active teaching classes				
Lectures: 0	Exercises: 0	OFL: 4	SRW: 8	Other: /

Method of carrying out the teaching

Teaching is realized through interactive forms of teaching, student research work and mentoring work. The master project is presented and defended before the committee.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 40**	**Final exam**	**total points 60**
practical work	30	master project	50
colloquim	10	oral defence of project	10

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: Spaces for senior and person with disabilities

Teacher(s): assistant professor arch. Miloš Komlenić

Status of the subject: Elective

Number of ECTS credits: 3

Conditions: /

Subject goal

The goal of the course is to enable students to become familiar with the specifics of the life and housing of the elderly - either in the form of the specific housing needs, or in the form of additional contents and programs of that type of housing, i.e. specific and growing groups of users.

Outcome of the subject

The emphasis is on the development of an empathic approach to both the design and planning of space - as well as the transformation and redefinition of a given, chosen space for the needs of this (or these) specific and special groups of users, and through parallel observation of the development of the house, the city and the person himself....

Subject content

Theoretical learning

The first segment of the teaching consists of lectures and familiarization with the specific issues of the needs of the elderly, as well as the possibilities and ways of their fulfillment and realization.

Practical learning

In the second segment of the course, students work independently on the conceptual setting of the program, and with its setting, they go through research with accompanying consultations and discussions. Working on one's own project involves reading and analyzing examples, all with the aim of reconsidering established attitudes, and recognizing and systematizing the transformable potential of the chosen space from the point of view of the given thematic framework. The focus of the discussion in class, about the project, is on an efficient and simple and yet creative solutions to the problem from the aspect of the modern city and its users and their needs...

Literature

- Становање Старих Особа“, Боривој Анђелковић, 1977
- „Самостално Ванинституционално Становање Остарелих Особа“, Боривој Анђелковић, 1989
- „Правилник О Условима За Планирање И Пројектовање Објеката У Вези Са Несметаним Кретањем Деце, Старих, Хендикепираних и Инвалидних Лица“, „Службени Гласник Републике Србије", бр. 18/97
- „Elderly Housing for Elderly Buildings”, James J. Beaudoin, 1969
- „Shaping Ageing Cities - 10 European case studies“, Project Director Mauro Oliveri, Director, Arup

„Silver Linings – The Active Third Age and The City”, Stephen Hodder, 2013

Number of active teaching classes				
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	Other: 0

Method of carrying out the teaching

Theoretical - lectures and Practical - project work

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	points	**Final exam**	points
Activity during lectures	10	project study	40
Practical teaching		written explanation	20
colloquium	30	Oral exam	
Seminar(s)			

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

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

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.

Outcome of the subject

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.

Subject content

Theory

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.

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.
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.

Practical learning
Active discussions based on the presented topics.
Independent seminar paper or graphic portfolio based on a critical reexamination of a given theoretical framework.

Literature

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, T. (1999) The Un-Private House, New York: MOMA.
Rybczynski, Witold (1986) Home. A Short History of an Idea, London: Penguin Books.

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

Method of carrying out the teaching

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			
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)			

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: Architecture of territory

Teacher(s): Assistant Professor Ph.D. Pavle Stamenović

Status of the subject: Elective

Number of ECTS credits: 3

Conditions: /

Subject goal

The aim of the elective course is to acquaint the student with the complex process of territory research through the use of analytical design methodological apparatus; Developing the ability for the practical application of acquired knowledge through the synthesis of spatial conclusions from different (opposite) scales: 1) the scale of the context-territory and 2) the scale of a small architectural intervention (architectural syntax), with a special emphasis on the establishment of a program plot twist, thematization and development of the intervention concept, and through the application of tools from the field of architectural design. In the context of scale, architectural interventions are considered as infrastructure - as elementary physical and organizational structures required for the functioning of society

Outcome of the subject

Through work on this course, students acquire:
- Ability to create architectural projects that meet aesthetic and technical requirements.
- Understanding of the relationship between human and objects and between objects and their environment, as well as the need for the object and the spaces between to relate to human needs and measure.
- Understanding research methods and preparation of project tasks for an architectural project.

Subject content

Brief description of the subject:

The contemporary context is double-minded: the growing environmental concern serves as a metanarrative of the first decades of the 21st century, while the continuously growing urbanization consumes more and more spatial resources. In relation to that situation, the framework of the elective subject is aimed at understanding the concept of naturality in the context of the contemporary state of built environments. Namely, the scale of territory and infrastructure is superimposed on the scale of precise architectural intervention: territories and infrastructure are explored on the scale of an architectural fragment. In this sense, the focus is not on reading the changing concept of the (urban) landscape, but on research methods and techniques that are carried out within the architectural process - especially narrative drawing (zoom-in) and analytical maps (zoom-out). The proposed research by design method is based on simultaneous design procedures in opposing scales, assuming the overall importance of the simultaneous perception of the whole and its parts.

Theoretical teaching

Observed as a unity, these undeveloped territories - landscapes of public spaces (public landscapes) represent a significant and necessary spatial potential for the city. Due to the often conflicting interests that reflect and shape urban spaces, the idea of a public landscape can serve as a key common ground. In the light of urban development, both formal and informal, the course opens the question of rethinking the significance, meaning and form of the unbuilt in the contemporary context of the city. Theoretical teaching is conducted through a series of lectures by the subject teacher and guest lecturers from the field.

Practical teaching

The work on the subject consists of three parts: (1) preparation - analytical part of the work, clarification of the role of ecosystems in natural processes in cities; (2) seminar and workshop week - a tour of the subject locations, followed by group work. Through joint work, students reflect on the importance and meaning, as well as the possibilities that landscapes of public, unbuilt spaces carry as urban potential for the city that is the subject of research. Specifically, based on different cultural and methodological starting points, mixed groups of students will explore the potential and challenges of further development of the proposed spaces. (3) synthesis of information materials and new knowledge with the aim of structuring the spatial concept of the selected spatial framework-territory and development of the intervention concept.

Literature

Topalovic,M., *Belgrade Formal/Informal. A Study on Urban Transformation*, 2012.
Easterling, Keller. *Extrastatecraft: the power of infrastructure space*. New York: Verso Books, 2016.
Easterling, Keller. *Organisation space : landscapes, highways, and houses in America*. London : The MIT Press, 1999.
Lang, Peter. *Superstudio: Life Without Objects*. Torino: Skira Editore S.p.A., 2003.
Steenbergen, Clemens. *Composing Landscapes: Analysis, Typology and Experiments for Design*. Basel: Birkhäuser, 2008.
AD - Territory: Architecture Beyond Environment, Edited by David Gissen
Gissen, D. *Subnatures. Architecture's Other Environments*. NewYork: Prinston 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: 0	SRW: 0	Other: 0

Method of carrying out the teaching

Study research work through communication with students during exercises and consultations, as well as independent research work of students on the preparation of an exam paper and special tasks within the design process.
Applied theoretical teaching: Comparative analysis of examples, case studies, context analysis, interview-survey
Practical teaching: study and field research work, research through 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	Project ellaboration	40
Practical teaching		Project presentation	10
colloquium	20		
Seminar-workshop	20		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

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

Students will have knowledge about: 1. needs and aspirations of users of facilities; 2. the impact of buildings on the environment and the premises of sustainable design; and 3. how the objects will fit into their local contexts.

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

1. Вученовић, С. Урбана и архитектонска конзервација - Свет и Европа, Том 1 (Београд: ДКС, 2004).
2. Дероко, А. Средњовековни градови у Србији, Македонији и Црној Гори (Београд: 1950).
3. 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.
4. 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				
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	Other: 0

Method of carrying out the teaching

Ex cathedra lectures, interactive forms of teaching, consultations, discussions and presentations.

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	points	**Final exam**	points
Activity during lectures	10	semester paper	50
Practical teaching		Oral exam	
colloquium	2x20=40	Final portfolio	

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

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 for the subject: Architecture in context. Belgrade, 2010. in agreement with the teacher

Number of active teaching classes				
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	Other: 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

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: MORPHOLOGY OF URBAN PATHS AND NODES

Teachers: Ph.D. Aleksandra M. Đukić, Associate Professor

Status of the subject: elective

Number of ECTS credits: 3

Conditions: /

Subject goal

Classes are aimed at developing knowledge and skills in the field of urban design and reconstruction, on numerous topics of the urban composition of paths. The course aims to upgrade the existing knowledge in the subject "Design of urban spaces", as well as to understand the basic contemporary methods and techniques for improving the organization of urban structures, with particular emphasis on the relationship between architecture and other arts (music, film, literature, painting).

Outcome of the subject

Through the course, students acquire knowledge of how to link action in urbanism and architecture with other forms of artistic expression. It is gained through the training of students to independently perform analysis, demo-composition, decomposition of the artwork, and incorporation of results in the urban space in the form of an urban solution.

Subject content

Theory

Theoretical teaching takes place through interactive multimedia and ex-cathedra lectures on cultural patterns, identities, perception, the morphology of the paths, as well as relationships between other arts - painting, film, literature, music, and architectural and urban form of the unit and the whole in composition. In addition to theoretical research on the links between architectural form and other arts, examples from world practice will be critically analyzed.

Practical learning

Practical classes are conducted in a concrete area, polygon. The work of students involves two parts: the research phase and the proposal of intervention (output product) in the form of the concept of open public space. Students are choosing one of the branches of art. Then, they choose a specific work, explore the composition of that work, and the possibilities of decomposing it and applying it to the assembly of the selected city path.

Literature:

1. Ђукић, Александра: Ридер за предмет "Морфологија градских потеза – избор текстова"
2. Ђукић, Александра, Вукмировић, Милена: УрбанЛаб Београд 2020, АФ Београд, 2012.
3. Abel, Chris: Architecture and Identity: responses to cultural and technological change, ArchitecturalPress, Oxford, 2000.
4. Alexander, Christopher: A pattern language, New York: Oxford University Press, 1977.
5. Mougftin, Cliff: Urban Design – street and square, Architectural Press, Oxford, 2001.
6. Dovey, Kim: Framing Places: mediating power in built form, Routledge, London, New York, 1999.

Number of active teaching classes				
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	Other: 0

Method of carrying out the teaching

Interactive lectures, case analysis, research projects, presentations, field trips

Evaluation of knowledge (maximum number of points 100)

Pre-exam obligations	**total points 50**	**Final exam**	**total points 50**
activity during lectures	10	research	25
colloquium 1	20	conceptual solution	25
colloquium 2	20		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: PUBLIC ART AND PUBLIC SPACE

Teachers: Ph.D. Zoran N. Đukanović, 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:

- 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:

- 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

Theory

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.

Practical learning

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) *Уметност у јавном простору: експертска студија просторне провере ужег градског језгра Ужица за потребе уметничке продукције у јавном простору*. Београд: Academica – академска група.

Ђукановић З., Живковић Ј. (2008) *Public art and Placemaking / Јавна уметност и креирање места: студија случаја Београд-градска општина Стари град*. Београд: Архитектонски факулет Универзитета у Београду.

Website: www.publicart-publicspace.org

Number of active teaching classes				
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	Other: 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		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: URBAN POLICIES

Teachers: Ph.D. Ratka P. Čolić, Associate 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

Theory

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.

Practical learning

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

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: URBAN MANAGEMENT

Teachers: Ph.D. Uroš B. Radosavljević, Associate Professor

Status of the subject: elective

Number of ECTS credits: 3

Conditions: /

Subject goal

The objective of the course is to give students an understanding and mastery of methods and practical knowledge in the field of urban management. It implies a better understanding of urban development and urban sprawl, the need for contemporary management of urban development and urban management. Also, the evolution of urban development management practices; types of regulatory, economic and informational instruments of urban management and regimen; urban situations, strategic projects and examples in which management of development mechanisms and implemented instruments; policies, measures and effects of contemporary urban and urban governance, as well as ways of branding cities.

Outcome of the subject

The course helps students gain knowledge related to place branding and urban design using contemporary urban management instruments, as well as skills to analyze the effects of using instruments concerning urban development policies, plans, and projects.

Subject content

Theory - Urban plans are still used today to manage urban development. However, the relations between different levels of national, city, and local municipal governments are becoming more complex, as are the relationships between the public and private sectors in urban development, with a more significant role for the private sector in realizing their interests in urban projects. It is suggested that the market, not the state, should solve the accumulated planning problems. Therefore, traditional planning instruments, such as urban plans, land use, and regulatory elements, must be placed within the framework of understanding market operations and the increased involvement requirements of all actors. Therefore, an increasing number of local communities in the world are embracing the concept of urban management and new strategies and instruments to pursue stakeholder interests for transformative actions in urban governance.

Practical learning is focused on exploring the relationship between urban management and city branding. The existing uses, organization, and meanings of urban spaces for discovering hidden spatial and cultural values and potentials for reshaping places are explored. Students develop a project and development vision for place branding and urban space design with cultural and tourism content using contemporary urban management tools. The project is being implemented with the participation of citizens, experts, and representatives of the local community. That is as an opportunity for a collective learning experience. Opportunities for branding cities through culture, tourism, and arts programs and festivals offer a different perspective on city life and help local communities develop organizational skills and greater involvement in branding in the urban management process.

Literature:

1. Radosavljević, U., Đorđević, A., Lalović, K., Živković, J. & Đukanović, Z. (2019) Nodes, and Networks: The Generative Role of Cultural Heritage for Urban Revival in Kikinda. Sustainability, 2019, 11, 2509.
2. Radosavljević, U., Đorđević, A. & Živković, J. (2015) Business Improvement Districts as a Management Instrument for City Center's Regeneration in Serbia, Facta Universitatis, Facta Universitatis, Series: Architecture & Civil Engineering, vol. 13 (1);
3. Радосављевић, У. (2014) Формирање модела урбаног менаџмента у реализацији стратешких пројеката, докторска дисертација, Београд: Архитектонски факултет;
4. Radosavljević, U., Đorđević, A., Živković, J., Lalović, K. & Đukanović, Z. (2019) Educational Projects for Linking Place Branding and Urban Planning in Serbia (2019) *European Planning Studies*
5. Tiesdell, S., Oc, T., & Heath, T. (1996). *Revitalizing Historic Urban Quarters*. New York: Architectural Press.
6. Vedung, E. (1998) 'Policy Instruments: Typologies and Theories', in Bemelmans-Videc, M.-L., Rist, R.C., and Vedung, E. (ed.) Carrots, Sticks, and Sermons: Policy Instruments and Their Evaluation, Piscataway, NJ & London: Transaction Publishers, pp. 21-58.

Number of active teaching classes				
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	Other: 0

Method of carrying out the teaching Classes are conducted 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	place branding project	40
practical teaching	20	oral exam	10
colloquium(s)	20		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

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:

- 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

Theory

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:

- Весњић Нећерал 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				
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	Other: 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		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

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:

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

Theory

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.

Practical learning

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:

1. Lynch K.,(1984) Good City Form, MIT Press, Cambridge Massachusetts
2. Lynch K.(1962) The cite planning, MIT Press, Cambridge Massachusetts
3. Lang J., (2005) Urban Design - A typology of procedures and products, Architectural Press, New York
4. Tuan Yi-Fu., (1990) Topophilia - A study of environmental perception, attitudes and values, Columbia University Press, New York
5. Leupen B., Grafe C., Kornig N., Lampe M., Zeeuw P. de.,(1993) Design Analyses, 010 Publishers, Roterdam

Number of active teaching classes				
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	Other: 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		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: CITY AND DESIGN

Teachers: Ph.D. Eva J. Vaništa-Lazarević, Full 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				
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	Other: 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

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

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:

4. theories of urban design and the planning of communities;
5. the influence of the design and development of cities, past and present on the contemporary built environment;
6. current planning policy and development control legislation, including social, environmental and economic aspects, and the relevance of these to design development

Subject content

Theory

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.

Practical learning

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. Roterdam: NAI, 1997

Number of active teaching classes				
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	Other: 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		

Study program: Master academic studies – INTEGRAL URBANISM

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

The theoretical part 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. EUR-Lex, European Union Law datebase
2. Митровић Б, Ралевић М., Антонић Б. (2014): The Challenges of Housing Regulation in Serbian Legislation: Towards European context and best practices, стр. 167- 177, поглавље у монографији: Housing development in Serbia in the context of globalization and Integrations. Vol. 3, Strategies and Models (M44), Faculty of Architecture, University of Belgrade, ISBN 978-86-7924-134-4.
3. Митровић Б, Ралевић М., Антонић Б. (2014): Integrating illegal housing into the urban development in Belgrade in the context of global trends - Methodological and Regulatory Framework , стр. 53- 68, поглавље у монографији: Housing development in Serbia in the context of globalization and Integrations. Vol. 3, Strategies and Models (M44), Faculty of Architecture, University of Belgrade, ISBN 978-86-7924-134-4.
4. Пајовић Д. (2005): Преглед урбанистичког законодавства. Удружење урбаниста Србије. Нови Сад.
5. Moore V., Hudges, D. (1995): Statu□es on Planning law, Blackstone Press Limited, London.

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

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

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:

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

Theory

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.

Practical learning

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 Zagrabiensis, Zagreb
Cyril B. Paumier, 2004, Creating a Vibrant City Center: Urban Design and Regeneration Principles, Urban Land Institute

Number of active teaching classes				
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	Other: 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		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

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:

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:

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:

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;

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

Theory

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.

Practical learning

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). Proces formulisanja odrzivih resenja sa lokalnim inicijativama u ribarskom naselju Tekija i Krusevcu, У Klimatske promene i građena sredina. Београд: ИАУС

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

Sinclar, 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., Sinclare, 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

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

Study program: Master academic studies – INTEGRAL URBANISM

Name of the subject: URBAN INFRASTRUCTURE

Teachers: Ph.D. Danilo S. Furundžić, Associate 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;

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 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;

Understanding of the methods of investigation and preparation of the brief for a design project.

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.

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.

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:

• 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				
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	Other: 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		

Study program: Master academic studies – INTEGRAL URBANISM

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:

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;

current planning policy and development control legislation, including social, environmental, and economic aspects, and the relevance of these to design development.

Subject content

Theoretical teaching 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.

Practical learning 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				
Lectures: 1	Exercises: 1	OFL: 0	SRW: 0	Other: 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 – INTEGRAL URBANISM
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: Fundamental knowledge of urban design and urban functions
Subject goal • 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 Adequate knowledge of urban design, planning, and the skills involved in the planning process. The graduate will acquire knowledge of: 3. theories of urban design and the planning of communities; 4. the influence of the design and development of cities, past and present on the contemporary built environment; 5. current planning policy and development control legislation, including social, environmental, and economic aspects, and the relevance of these to design development.
Subject content *Theory* 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.
Literature: 1. Лазаревић Бајец Н. (1987). Град између емпирије и утопије, IICSSOS 2. 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				
Lectures: 2	Exercises: 0	OFL: 0	SRW: 0	Other: 0

Method of carrying out the teaching Lectures, discussions and guest visits by experts.
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		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: URBAN OASIS

Teacher(s): Associate Professor Ph.D. Budimir S. Sudimac

Status of the subject: elective

Number of ECTS credits: 3

Conditions: /

Subject goal

This elective subject presents the secondary subject in master studies. The main goal of lectures is the acquisition of a specific fund of theoretical knowledge as a supplementation of the matter. The lectures are scheduled analyses and design of architectural elements that contribute to the reduction od extreme natural and created impacts on comfort and the comfort living zone in different climate areas. During the lecture, types of protection and design and technological potentials of specific types of protection as an answer to the challenges of the sustainable world are investigated. Lectures aim to acquaint students with contemporary protection systems, basic design principles of protection elements, and their possibilities of integration in urban structures during the theoretical lessons, case study analysis, and guest lectures. Protection elements are treated as part of the whole process of energy optimization of the building or as a part where technological development allows the use of today and future nature potentials. Through the practical work on the seminar paper, students are getting knowledge about the complex aspects of the design of comfortable space for living.

Outcome of the subject

Elective course is a part of secondary theoretical module in master studies. Lectures aim to acquire primarily theoretical knowledge. Lectures present a combination of a variety of different forms of work - lectures, literature studies and case study analysis of domestic and foreign examples. Students active participation in analyses and presentations of examples from practice is expected.

Subject content

Theory

Students are introduced to the phenomena that affect to the comfort zones and which except functional have formative, ecological and energetic character. Lectures aim to present the analyses of different tendencies in conception and design of elements of protection for buildings and open spaces in different climate regions. Through analyses of different concepts possibilities of design of integrated systems as parts of structures and systems which can be recycled in case of reuse and recycling are investigated.

Practical learning

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. 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

Lectures ex-cathedra, case study analysis, interactive lectures, active participation in discussions, preparation work for seminar paper and drawings.

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		

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

Name of the subject: EVALUATION OF ENVIRONMENTAL CHARACTERISTICS OF BUILDINGS

Teacher(s): Associate Professor Ph.D. Nataša D. Ćuković Ignjatović

Status of the subject: elective

Number of ECTS credits: 3

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

Theory

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. Ćuković 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	SRW: 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	
Seminar(s)	20	Seminar paper	50

Study program: Master academic studies INTEGRAL URBANISM

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. Harward 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	
colloquium 1	-	Oral exam	
colloquium 2	-	Final portfolio	-
Seminar(s)	-	Final paper	-

Study program: MASTER ACADEMIC STUDIES INTEGRAL URBANISM

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.

Theory

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).

Practical learning

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)			

Study program: Master academic studies INTEGRAL URBANISM

Name of the subject: LIVING ENVIRONMENTS AESTHETICS IN ARCHITECTURE AND DESIGN

Teacher(s): Assistant Professor Ph.D. Irena Kultein Ćulafić

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 practical 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 Ћулафић, 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 - 50	**Final exam**	points-50
Activity during lectures	10	Written exam	
Practical teaching	20	Oral exam	
colloquium	10+10=20	Final paper	50
Seminar(s)			

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

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, Professor Ph.D. Dušan Ignjatović

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

Theory

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.

Practical learning

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.
Giebeler et all: Refurbishment manual, Detail, Birkhauser, 2009.
Hegger, M., Energy Manual, sustainable architecture, Edition Detail.
Baker, V.N., The Handbook of Sustainable Refurbishment, Earthcsan, 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)			

Study program: MASTER ACADEMIC STUDIES – INTEGRAL URBANISM

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)			