



## Specialist academic studies – Energy-efficient and green architecture 2017/18

The area of the study programme:

Specialist academic studies – Energy-efficient and green architecture

Duration of studies: one year – 60 ECTS

Language: Serbian

The programme is intended for the Master in **Architecture, Civil Engineering, Mechanical Engineering, Electrical Engineering and other similar areas** (equivalent to 300 ECTS).

The candidates acquire the most up-to-date theoretical and practical knowledge in the area of energy-efficiency and green architecture.

**The basic aims of the specialist academic studies – Energy-efficient and green architecture are:**

- expanding the knowledge necessary for designing, construction and evaluation of energy-efficient and green buildings;
- acquiring the professional qualification (**the entry basis for 381 licence**) for the work in the area of energy-efficiency and energy certification of buildings;
- acquiring the professional qualification as an entry basis for taking the exam and obtaining the title **LEED Green Associate (LEED GA)**.

There is an opportunity for the candidates to be introduced to various methods of verification, such as thermovision surveys, air tightness test and other latest techniques and tools in the area of energy-efficient and green constructions.

Through **individual work and work in small groups** on their own projects within the studies – energy-efficient new buildings and energy-efficient (EE) repair and renovation of the existing ones, new knowledge is acquired and the existing knowledge is expanded in the way adapted to the needs and interests of the candidates.

**The lecturers** in the specialist studies are the most eminent experts in the relevant areas, Chamber of Engineers' examiners and lecturers, zero licence 381 holders, LEED AP BD +C Level 1 Thermographer, etc. Your lecturers take part in the current international and national research and professional projects in the area of energy-efficient and green architecture, contribute actively to legislative framework formation in the area of energy efficiency and they are authors of numerous publications available to the candidates for the work and research in the course of the specialist studies.

This programme of studies is improved through Erasmus+ KLABS project, with 11 Universities from the EU and the region taking part in it. This cooperation enables: the usage of the resources of the recently founded **research unit of Sustainable and Resilient Architecture** – working on **Design Builder** software (licenced **Engineernig Pro** package), innovative methodological approach, opportunity for direct cooperation and interactive activities with 5 Universities in the region, latest reference in all compulsory and elective topics, as well as a series of 6 books designed in the way to cover the widest spectre of topics in the area of sustainable construction and planning, intended for the candidates of the study programmes included in this European project.

