

Faculty of Architecture

Department: Architecture and Urbanism

Professional area: Architecture, Civil Engineering and Geodesy

Major: Architecture

Educational-and-qualification Degree: Master

COURSE DESCRIPTION

1. **Course unit title:** Building Construction - part 1
2. **Course unit code:** CIE 2021
3. **Type of course unit:** compulsory
4. **Level of course unit:** Master
5. **Year of study:** first
6. **Semester when the course unit is delivered:** second
7. **Number of ECTS credits allocated:** 9
8. **Name of lecturer:** Assoc. Prof. Rosen Savov, PhD
9. **Learning outcomes of the course unit:** The course aims at achieving professional training in mastering knowledge and skills in architectural design by acquainting students with the traditional and modern know-hows and construction of parts of the buildings – foundations, floor structures, walls, roofs, stairs, windows and doors, suspended ceilings and others.
10. **Mode of delivery:** face-to-face
11. **Prerequisites and co-requisites:** Students must have successfully passed the examinations in Introduction to the Architectural Design
12. **Course contents:** Introduction to elements and construction systems of the building; zero cycle of construction works - soil works, foundations, foundations and walls above foundations, waterproofing the building; walls – general conditions, masonry, cast, prefabricated walls, finishing wall works – plasters, wall coverings, sidings; elements of the building, connected with walls – chimneys, fireplaces, shafts, sun protection devices on the façade; formwork building constructions – columns, girders and rafters and other elements of the formwork. The project includes a technical project of a two-storey residential building with all the details.
13. **Recommended or required reading:**
 1. Сградостроителство, Ч. Ангелов, ДИ „Техника” 2009
 2. Архитектурни конструкции, М. Ангелов, ДИ „Техника” 2005
 3. Архитектурни конструкции I част, П. Софийски, 2010
 4. Архитектурни конструкции II част, П. Софийски, 2011
 5. Ернст Нойферт, Архитектурно проектиране (Baueinfurts lehre), 2010
 6. Покривни остъклявания, Мл. Милянов, ДИ „Техника”, 1989 Преизд 2007
 7. Курс от лекции по „Сградостроителство”, Мл. Милянов 2011- Свитьци за ксероксиране + DVD дискове
 8. Наклонени покриви, Ч. Ангелов, 2011
14. **Planned learning activities and teaching methods:** lectures, practical work, contact hours

15. Assessment methods and criteria: the course project is assessed by a commission of lecturers.

16. Language of instruction: Bulgarian

17. Work placement(s): none