

Faculty of Architecture

Department: Construction Engineering

Professional field: 5.7. Architecture, Civil Engineering and Geodesy

Specialty: Building Constructions

Educational-qualification degree: Master

COURSE DESCRIPTION

1. Course title: **Technology for the Construction of Special Building Structures and Facilities**
2. Course code: **CIE 3013**
3. Type of course: **compulsory**
4. Level of course: **Master**
5. Year of study: **first**
6. Semester when the course is delivered: **first**
7. Number of ECTS credits allocated: **7,5 (3 – lectures, 1,5 – seminars and course project and 3 – practice)**
8. Name of lecturer: **Assoc. Prof., Eng. Ofeliya Lazova-Velinova, PhD**
9. Learning outcomes of the course: as a result of the course students will know about the technology of building special /complex/ buildings and facilities with monolithic and prefabricated load-bearing structures. They will acquire skills to design, manage and control the construction of special buildings and facilities.
10. Mode of delivery: **face-to-face**
11. Prerequisites and co-requisites: students have to possess the necessary knowledge in Technology of Construction, which is covered in the Bachelor course of Construction Engineering.
12. Course contents: Students gain knowledge of structural and technological characteristics, peculiarities of construction of special structures and facilities, building systems and modern construction methods, acquire skills to design the technology of construction with modern methods by highly-mechanized technological means.
13. Recommended or required reading:
 - Петков, Й., Технология на строителните процеси, С., Техника, 1989.
 - Петков, Й., Заркова, Л., Дончев, Ч., Технология на строителното производство, София, АБВ Техника, 2002.
 - Петков, Й., Лабаков, Г., Несторов, Н., Монтажни кранове в строителството, С., Техника, 1989.
 - Петков, Й., Божилов, Г., Високи инженерни съоръжения, С., Техника, 1982.
 - Киров, Н., Котражи във високото строителство, С., Техника, 1984.
 - Киров, Н., Котражи и скелета, С., „Даниел СГ“ООД, 2006.
 - Димитров, Б., Междуетажни конструкции, С., Техника, 1993.
 - Лазова, Оф., Технология на строителните процеси, С., ВСУ ”Л. Каравелов”, 2006.
14. Planned learning activities and teaching methods: **lectures, seminars, course project, practice, contact hours, independent work.**
15. Assessment methods and criteria: defense of a course project – separate grade, written and oral examination. The semester examination grade is formed as follows: written examination – 80% and oral examination – 20%. The practice is assessed by defense of a report of the subject of the practical work.
16. Language of instruction: **Bulgarian**
17. Work placement is **envisaged in the curriculum – 30 hours**