

Faculty of Architecture

Professional area: Architecture, Civil Engineering and Geodesy

Major: Building Constructions

Educational-and-qualification Degree: Master

COURSE DESCRIPTION

1. Course unit title: Automated Management of Construction Projects
2. Course unit code: TEC 3001
3. Type of course: elective
4. Level of course unit: Master
5. Year of study: first
6. Semester: second
7. Number of ECTS credits allocated: 6
8. Name of lecturer(s): Assoc. Prof. Maria Velikova, PhD
9. Learning outcomes of the course unit: The course aims to provide students with knowledge about the automated management of European investment projects in construction and the mastering of specialized techniques for their management at different levels.
10. Mode of delivery: face-to-face.
11. Prerequisites and co-requisites: Students are required to have theoretical and practical training in computer literacy, as well as knowledge related to the methods of standardization, pricing and calendar planning.
12. Course contents: Basic concepts and classification of projects. Stages of the project and project life cycle. Project participants and their functions. Sources of funding. Issues related to the development of project functional structure, working with database, bills of quantities and calendar planning are dealt upon.
13. Recommended or required reading:
 1. Организация и управление на строителството -Иван Сакарев, София, 2007г
 2. Методическо ръководство за управление на инвестиционни проекти с приложение на "Оайу Ргсуес* 5" - Георги Георгиев, София, 2006г.
 3. „Методически указания за попълване на проектна документация, оценка и управление на инвестиционни проекти" - Министерство на финансите.
14. Planned learning activities and teaching methods: lectures, seminars and contact hours
15. Assessment methods and criteria: Written examination – students write on two theoretical topics from the synopsis- duration 2 hours; oral examination- duration 10 minutes. The topics are chosen individually from a number of pre-set examination tickets. Students are required to write on both topics. The oral examination includes asking clarifying questions on the written work or additional questions in need of clarification of the assessment.
16. Language of instruction: Bulgarian.
17. Work placement(s): none