

Course Unit Descriptor

Study Programme: Civil Engineering			
Course Unit Title: Technology and Building Organization 2			
Course Unit Code: GG33			
Name of Lecturer(s): Prof.dr Milan Trivunić, Doc.dr Igor Peško			
Type and Level of Studies: Bachelor Level			
Course Status (compulsory/elective): compulsory			
Semester (winter/summer): Summer			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face-to-face			
Number of ECTS Allocated: 5			
Prerequisites: None			
Course Aims: Acquiring knowledge in the process of structure building and in the manners of organizing works during the process of completing building construction and civil engineering structures.			
Learning Outcomes: Ability for making elaborates on the organization and management of a construction site, elaboration of dynamic construction plans, defining and applying protective measures at work during the construction, as well as taking part in organizing and managing a construction site. Acquired knowledge is directly applicable in engineering practice.			
Syllabus: A project on technology and building organization. Construction conditions. Relation between building technology and site organization. Site organization schemes (temporary facilities, application of mechanization). Safety measures and occupational safety in construction. Building organization. Building organization and adopted technology. Researching the operations (application in construction). Planning methods (CPM, PERT, Gantt charts, cyclograms). Plan processing on a computer. Basic documentation in building			
Required Reading: Relevant literature in English TBD			
Weekly Contact Hours: 4	Lectures: 2	Practical work: 0	
Teaching Methods: Teaching is performed in lectures in the form of presentations of individual methodical units and graphic practice done individually by students with the consultations with the teaching assistants. At practice classes, based on the obtained information (lectures, literature, consultation and general instructions at the beginning of practice classes), students solve the set tasks (graphic practice). Completed and positively graded tasks present a prerequisite for taking the examination. Part of practice is held at the computer centre, and completed computer exercises are a prerequisite for taking the examination. Examination covers the entire course content presented during the semester, and it is taken in written and oral form. Written part of the examination can be taken in 2 modules during the teaching process. Examination grade comprises lecture and practice attendance, grade from graphic papers, computer practice, written and oral part of the examination.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation		written exam	

Practical work		oral exam	
Preliminary exam(s)		
Seminar(s)			
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			