

Study Programme: Civil Engineering			
Course Unit Title: Building Technology			
Course Unit Code: GG31K			
Name of Lecturer(s): Trivunić Milan			
Type and Level of Studies: bachelor			
Course Status (compulsory/elective): elective			
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: 6			
Prerequisites: none			
Course Aims: Acquiring knowledge about the process of construction of buildings, use of mechanization and possible technologies of construction of buildings of civil engineering			
Learning Outcomes: Capability for elaborating bill of quantities for building a structure, analysing construction costs, applying construction mechanization, and analysing working costs, as well as selecting and defining technology for performing special types of works while building. Acquired knowledge can be directly applied in engineering practice.			
Syllabus. Investment and technical documentation. Construction machines (types and properties). Performance of construction machines. Costs of machine works. Technology for structure building. Technology for excavation (working technology, mechanization application, normative and price analysis). Technology of structure production (types of works, mechanization application, normative and price analysis). Specialist trades and finishing operations (types of works, working technology, normative and price analysis). Placing installations in structures.			
Required Reading: Relevant literature in English, tbd			
Weekly Contact Hours:2	Lectures: 4	Practical work: 2	
Teaching Methods: Teaching is realized as lectures in the form of presentations on individual methodical units and graphic practice performed individually by students during the class and assisted by an assistant. In practice classes, based on the obtained information (lectures, literature, consultations and general introduction at the beginning of exercises) students solve the set tasks (graphic practice). All completed and positively graded papers are a prerequisite for taking the examination. Examination includes the entire course content presented during the semester, and it is in written and oral form. Written part of the examination can also be taken as two modules during the teaching process. Examination grade is formed on the basis of lecture and practice attendance, points from graphic papers, written and oral examination.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Attendance			
Computer exercises			
Tests (4x)			

