

COURSE		CONSTRUCTION MANAGEMENT		
LECTURER		Assoc. prof. Nerman Rustempašić Ph.D.		
STUDY	STATUS	SEMESTER	NUMBER OF LESSONS L+E	ECTS
B – C.E.	<i>Mandatory</i>	6	3+2	6
OBJECTIVES				
<ul style="list-style-type: none"> □ To introduce students to the basic principles and methods of organization, planning projects, construction management. Explain to students way, the logic and the rules by which establishes a link between the designed constructed building and its performance (include all necessary resources). Understanding the laws and regulations. 				
LEARNING OUTCOMES				
<ul style="list-style-type: none"> □ The student will be able to describe and explain the basic principles and contemporary methods of construction management. The learner is also expected to be able to implement acquired principles and methods in practice. 				
COURSE CONTENT				
<ul style="list-style-type: none"> □ Basics of construction project management. (Construction project, Construction project management, Stages of construction project, Feasibility of construction project, Construction management, Construction project leader, Teamwork, Quality-time-costs management).. Construction site planning. Planning methods (CPM, PDM, Gantt-charts, orthogonal plans, cyclograms). Project/activity duration. Project/activity resources. Project/activity costs. Organization of construction processes. (Working methods research, Fundamental work elements in construction, Standstill and losses, Measuring and standardization of work, Working processes variants). Construction site organization. Costs - definition, principles, calculation, prices, costs in civil engineering context. Calculation of construction work costs and prices. Construction costs structure; Working power costs, Material costs, Machines and equipment costs, Indirect construction costs structure, Company management costs, Additional calculation, Costs distribution factor, Prices analyses, Construction work costs calculation. Planning software (MSProject, Primavera, Gala). Law, regulations, contracts (construction and safety practice). 				
RECOMMENDED LITERATURE				
<ol style="list-style-type: none"> 1. Mladen Radujković i suradnici, Organizacija građenja, Sveučilište Zagreb, Građevinski fakultet Zagreb, 2015. 2. Juraj Marušić, Organizacija građenja, FS, Zagreb, 1994. 3. Gorazd Bučar, Normativi i cijene u graditeljstvu, Građevinski fakultet u Rijeci, 2003. 4. Zakon o građenju FBiH 				
<p>Examination: During the classes the exam is taken in two parts in writing. Each part is scored as follows: test of homework - 30 points, midterm exams – 2x10 points, a total of 50 points. a) If a student realizes 55% of both parts of the form his final score to a scale prescribed by the Law on Higher Education. Students who miss less than 5 points for grades 8, 9 and 10 were allowed to take the final exam orally for a higher grade. b) Students who pass one part, on the final exam take in writing the part that did not pass. The rating is formed as c). c) Students who do not pass any part during the classes, take the exam in writing integral and rating them form: 50% of the points awarded during the classes + 50% of points awarded at the final exam. Cancelling exams: Students, who have passed both parts and are not satisfied with the results achieved in one part, can take that part again on the final exam.</p>				