

Faculty of Civil Engineering / / CONSTRUCTION MANAGEMENT

Course:	CONSTRUCTION MANAGEMENT			
Course ID	Course status	Semester	ECTS credits	Lessons (Lessons+Exercises+Laboratory)
11941	Mandatory	1	5	3+1+1
Programs				
Prerequisites	None			
Aims	Acquisition of knowledge in management theory, organizational behavior, human resource management, leadership, business ethics, negotiation, and decision-making in construction			
Learning outcomes	After passing this exam, the student will be able to: 1. Master basic concepts in construction management. 2. Understand management functions and levels generally, particularly in the construction industry. 3. Possess knowledge in strategic management, motivation theories, and leadership. 4. Apply acquired knowledge directly in management tasks in the company and on construction sites.			
Lecturer / Teaching assistant	Prof. dr Miloš Knežević Mr Mladen Gogić			
Methodology	Lectures and consultations, visits to construction companies			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures	Introduction; Definition, genesis, functions, and classification of management, historical development, management schools			
I week exercises	Preparation for exercises. Basic instructions.			
II week lectures	Management functions - Planning; Levels of planning, planning methods: PRECEDENCE method, PERT method, relationship method of planning, resources, finances within construction companies			
II week exercises	Seminar paper, consultations, and review.			
III week lectures	Management functions - Organizing; Basic principles, definitions, conditions, and possible organizational models; Sustainable development			
III week exercises	Seminar paper, consultations, and review.			
IV week lectures	Division of labor and specialization in construction			
IV week exercises	Seminar paper, consultations, and review.			
V week lectures	Definition of organization, organization functioning, organizational means.			
V week exercises	Seminar paper, consultations, and review.			
VI week lectures	Organizational behavior and human resource management			
VI week exercises	Seminar paper, consultations, and review.			
VII week lectures	FIRST TEST			
VII week exercises	FIRST TEST			
VIII week lectures	Management functions - Leading; Definition of leadership and leadership; Basic qualities of successful leadership; Leadership and management styles			
VIII week exercises	Seminar paper, consultations, and review.			
IX week lectures	Motivational processes and motivation for work			
IX week exercises	Seminar paper, consultations, and review.			
X week lectures	Management functions - Control and coordination; Control of the production process in construction; Coordination.			
X week exercises	Seminar paper, consultations, and review.			
XI week lectures	Strategic management; Definition, goal, division, classification, and role in the functioning of construction companies. Competitive behavior in design and construction processes			
XI week exercises	Seminar paper, consultations, and review.			
XII week lectures	Negotiation strategies and techniques and conducting business meetings.			
XII week exercises	Seminar paper, consultations, and review.			

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XIII week lectures	Communication and information processes; Making business decisions.					
XIII week exercises	Seminar paper, consultations, and review.					
XIV week lectures	SECOND TEST					
XIV week exercises	SECOND TEST					
XV week lectures	Evaluation of seminar paper					
XV week exercises	Evaluation of seminar paper					
Student workload	Weekly: 5 credits x 40/30 = 6 hours and 40 minutes Structure: 3 hours of lectures 1 hour of exercises 1 hour of individual exercises 1 hour and 40 minutes of independent study. During the semester: Teaching and final exam: (6 hours 40 minutes) x 16 = 106 hours 40 minutes Preparation before the semester begins (administration, registration, verification): 2 x (6 hours and 40 minutes) = 13 hours and 20 minutes Total workload for the subject 5x30 = 150 hours Additional work for exam preparation in the makeup exam period, including taking the makeup exam, from 0 to 30 hours (remaining time from the first two items to the total workload for the subject 150 hours) Workload structure: 106 hours and 40 minutes (Teaching) + 13 hours and 20 minutes (Preparation) + 30 hours (Additional work)					
Per week			Per semester			
5 credits x 40/30=6 hours and 40 minuts 3 sat(a) theoretical classes 1 sat(a) practical classes 1 excercises 1 hour(s) i 40 minuts of independent work, including consultations			Classes and final exam: 6 hour(s) i 40 minuts x 16 =106 hour(s) i 40 minuts Necessary preparation before the beginning of the semester (administration, registration, certification): 6 hour(s) i 40 minuts x 2 =13 hour(s) i 20 minuts Total workload for the subject: 5 x 30=150 hour(s) Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) 30 hour(s) i 0 minuts Workload structure: 106 hour(s) i 40 minuts (courses), 13 hour(s) i 20 minuts (preparation), 30 hour(s) i 0 minuts (additional work)			
Student obligations			To regularly attend lectures and exercises, take tests			
Consultations			Throughout the semester continuously			
Literature			V. Novakovic: Management in Contemporary Construction, Izgradnja, Belgrade, 2003. P. Duranovic: Management of Investment Projects, Faculty of Civil Engineering, Podgorica, 2003. B. Masic: Strategic Management, University "Braca Karic", Belgrade, 2001. P. Duranovic: Construction Management, script, Faculty of Civil Engineering, Podgorica, 2000. G. Cirovic: Business Process Reengineering, Faculty of Civil Engineering, Belgrade, 1999.			
Examination methods			Minimum and maximum points that a student can achieve within the elements that are graded, where the student must achieve the prescribed minimum number of points for each element: • Attendance at lectures and exercises: 1 to 5 points • First test: 10 to 20 points • Second test: 10 to 20 points • Final exam: 5 to 50 points A passing grade is obtained if at least 50 points are accumulated. Both the minimum and maximum points are given. Tests and final exams are written. A passing grade is obtained if 50 points are accumulated.			
Special remarks						
Comment			Further information about the course can be got from the teacher, assistant, manager of the study program , vice-dean for teaching courses.			
Grade:	F	E	D	C	B	A
Number of points	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points