

Faculty of Civil Engineering / / CONSTRUCTION TECHNOLOGY FOR HYDROENERGETIC STRUCT.

Course:	CONSTRUCTION TECHNOLOGY FOR HYDROENERGETIC STRUCT.			
Course ID	Course status	Semester	ECTS credits	Lessons (Lessons+Exercises+Laboratory)
11969	Mandatory	2	5	2+1+1
Programs				
Prerequisites				
Aims				
Learning outcomes	Students should introduce with basic categories and concepts from the area of Organization and building technology.			
Lecturer / Teaching assistant	Dr Ratko Mitrović - professor Mr Mladen Gogić - assistant			
Methodology	Lectures, consultations, seminar papers			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures	Bases of hydroenergetic structures.			
I week exercises	Bases of hydroenergetic structures.			
II week lectures	Generally about the technologies for hydroenergetic structures construction.			
II week exercises	Generally about the technologies for hydroenergetic structures construction.			
III week lectures	Generally about the technologies for hydroenergetic structures construction.			
III week exercises	Generally about the technologies for hydroenergetic structures construction.			
IV week lectures	Generally about the technologies for hydroenergetic structures construction.			
IV week exercises	Generally about the technologies for hydroenergetic structures construction.			
V week lectures	Technology of high dams construction.			
V week exercises	Technology of high dams construction.			
VI week lectures	Technology of dams construction.			
VI week exercises	Technology of dams construction.			
VII week lectures	FREE WEEK			
VII week exercises	FREE WEEK			
VIII week lectures	Construction of earth dams.			
VIII week exercises	Construction of earth dams.			
IX week lectures	Construction of mini hydropower plant.			
IX week exercises	Construction of mini hydropower plant.			
X week lectures	Construction of gravity dam.			
X week exercises	Construction of gravity dam.			
XI week lectures	Methods of construction of accumulation and injection.			
XI week exercises	Methods of construction of accumulation and injection.			
XII week lectures	Technologies of supporting structures construction at hydropower plant building. PRELIMINARY EXAM			
XII week exercises	Technologies of supporting structures construction at hydropower plant building. PRELIMINARY EXAM			
XIII week lectures	Protection of measures during hydropower structures construction.			
XIII week exercises	Protection of measures during hydropower structures construction.			
XIV week lectures	Planning of hydropower structures construction.			
XIV week exercises	Planning of hydropower structures construction.			
XV week lectures	Process of optimization of different technologies of hydroenergetic structures construction.			

XV week exercises		Proces of optimization of different technologies of hydroenergetic structures construction.				
Student workload		Weekly 7 credits x 40/30 = 9 hours and 20 min. Total workload for the course 7.0x30 = 210 hours				
Per week		Per semester				
5 credits x 40/30=6 hours and 40 minuts 2 sat(a) theoretical classes 1 sat(a) practical classes 1 excercises 2 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						
Consultations						
Literature		Branislav Đorđević – Hidrenergetska postrojenja V. Jefemov – Betosnki i armirano betonski radovi kod gradnje hidrelktrana				
Examination methods		- Seminar papers - 1 x 25 = 25 points - Preliminary exam 1 x 25 = 25 points - Final exam = 50 points - Sufficient mark is got if you collect 51 points				
Special remarks		Lectures are performed in the hall (for the all enrolled). The exercises are performed in the group per 10 students, that is in dependance on number of places in the computer hall				
Comment		Further information can be got at the teacher, assistant, manager of the study program and vice-dean for technically 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