



Study Plan

M.Sc. Civil Engineering

Faculty of Civil Engineering

Study plan for reference only; may be subject to change.

No.	Course Unit	First YEAR										Second YEAR							
		sem.1					sem.2					sem.3							
		h	ECTS	W	C	L	P	h	ECTS	W	C	L	P	h	ECTS	W	C	L	P
Courses common for all Specializations																			
1.	HC - Intellectual property law	15	1		15														
2.	HC - Building law	15	2		15														
3.	HC - Elective						30	2		15	15								
4.	Physical education and sports						30	0											
5.	HC - Decision making and negotiation theory												15	1		15			
6.	Diploma seminar												30	2		30			
7.	Dissertation and defence														20				
Specialization Courses																			
1.	Mathematics – selected issues	75	5		30	45													
2.	Timber structures	45	3		15	15	15												
3.	Concrete structures	45	4		15	30													
4.	Metal structures	45	4		15	30													
5.	Engineering of building materials	45	2		30	15													
6.	Theory of elasticity and plasticity	60	4		30	15	15	30	3		15	15							
7.	Design methodology of construction processes												45	2		15	30		
8.	Computer methods for structural design							45	4		15	30							
9.	Mechanics of structures							45	4		30	15							
10.	Finite element method	30	3		15	15													
11.	Reliability of structures							30	2		30								
12.	Special concrete structures							60	4		30	30							
13.	Special metal structures							60	4		30	30							
14.	Building fire safety	30	2		15	15													
15.	Computer-aided design of structures												45	2		45			
16.	Industrial concrete construction							45	3		15	30							
17.	Industrial metal construction												45	3		15	30		
18.	Elective courses (2 courses of 30h/2ECTS each)							60	4										
	Classes per week		27						29					12					
	ECTS per semester			30						30					30				
	Acumulated ECTS			30						60					90				
	Total classes in hours	1020	405						435					180					

Notation: W-Lecture; C-Tutorial; L-Laboratory; P-Project

- examination

3.	HC - Elective
3.1.	History of Art and Civilisation
3.2.	History of Urban Planning