

Civil Engineering Faculty WUT
Field of study: Civil Engineering
Level of study: second degree (M.Sc.)
Profile of education: general academic
Specialization: Civil Engineering Structures
Form of study: full-time in English

Wydział Inżynierii Lądowej PW
Kierunek studiów: Budownictwo
Poziom kształcenia: studia II stopnia
Profil kształcenia: ogólnoakademicki
Specjalność: Konstrukcje Budowlane i Inżynierskie
Forma studiów: stacjonarne anglojęzyczne

Curriculum for graduate (second cycle) studies, Specialization: Civil Engineering Structures

Valid for studies starting on 2016/2017, 2017/2018, 2018/2019, 2019/2020, 2020/2021 academic year

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.	HC - Decision making and negotiation theory													15	1	15			
5.	Diploma seminar													30	2	30			
6.	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					27							12					
	ECTS per semester	30					30							30					
	Acumulated ECTS	30					60							90					
	Total classes in hours	990	405				405							180					

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

Approved by the Faculty Council on 28.03.2012 with the correction on 27.05.2015 and 21.12.2016
 Zatwierdzony Uchwałą Rady Wydziału z dnia 28.03.2012r. z poprawką z 27.05.2015r. i 21.12.2016 r.