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Field of			Profile of study	Year /Semester	
Civil Engineering First-cycle Studies			(general academic, practical) (brak)	3/6	
Elective path/specialty			Subject offered in:	Course (compulsory, elective)	
			Polish	elective	
Cycle o	f study:		Form of study (full-time,part-time)		
First-cycle studies			full-time		
No. of h	iours			No. of credits	
Lectu	Clacoo		Project/seminars: 15	5	
Status		program (Basic, major, other)	(university-wide, from another field	,	
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Educati	on areas and fields of sci	ence and art		ECTS distribution (number and %)	
Resp	onsible for subj	ect / lecturer:			
-	-				
	nż. Wojciech Siekiersk ail: Wojciech.Siekiersk				
	0-61 6653413	re put.poznan.pi			
Fac	ulty of Civil and Enviro	onmental Engineering			
	Piotrowo 5 60-965 Poz				
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Assessment methods of study outcomes

Faculty of Civil and Environmental Engineering

- -Exam
- -Tests
- Design exercise and current knowledge control

Course description

- 1. Parts, components and systems, static steel bridges.
- 2 Steel decks of the road and railway bridges.
- 3 Konstruktion of elements of steel bridges. Shaping the plate girder spans with steel girders encased and composite steel and concrete.
- 4 The loads acting on the span truss bridges
- 5 Static calculations plate girder spans and composite steel-concrete spans
- 6 Static analysis of the decks

Basic bibliography:

- 1. Ryżyński A. I inni, Mosty stalowe, PWN, Warszawa-Poznań, 1984.
- 2. Karlikowski J., Sturzbecher K., Mosty stalowe. Przewodnik do ćwiczeń projektowych. Wyd. Politechniki Poznańskiej, Poznań, 1993
- 3. Karlikowski J., Madaj A., Wołowicki W., Mostowe konstrukcje zespolone stalowo-betonowe. WkiŁ, Warszawa, 2010
- 4. Furtak K., Podstawy mostów zespolonych. Wyd. Politechniki Krakowskiej, Kraków, 1999

Additional bibliography:

- 1. Bowles J.E., Structural steel design, McGraw-Hill Book Company, 1980
- 2. Bakht B., Jaeger L.G., Bridge analysis simplified, McGraw-Hill Book Company, 1985.

Result of average student's workload

Activity	Time (working hours)
1. Participation in lectures	30
2. Participation in exercises and seminars	30
3. Preparing exercises at home	40
4. Exam Preparation	20

Student's workload

Source of workload	hours	ECTS		
Total workload	125	5		
Contact hours	60	2		
Practical activities	30	1		