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		STUDY MODULE D	ESCRIPTION FORM			
	of the module/subject		LOCKII HON I OKIII	Code		
	ge Construction	Basics		1010101161010129345		
Field of	study		Profile of study (general academic, practical)	Year /Semester		
Sust	tainable Building	Engineering First-cycle	general academic	3/6		
Elective path/specialty			Subject offered in: Polish	Course (compulsory, elective) obligatory		
Cycle o	f study:		Form of study (full-time,part-time)			
	First-cyc	ele studies	full-	time		
No. of h	nours			No. of credits		
Lectu	re: 15 Classes	: Laboratory:	Project/seminars:	15 2		
Status	of the course in the study	program (Basic, major, other)	(university-wide, from another	field)		
		other	unive	ersity-wide		
Educati	ion areas and fields of sci	ence and art		ECTS distribution (number and %)		
Responsible for subject / lecturer: dr hab. inż. Wojciech Siekierski email: Wojciech.Siekierski@put.poznan.pl tel. 616475834 Budownictwa i Inżynierii Środowiska ul. Piotrowo 5, 61-138 Poznań Prerequisites in terms of knowledge, skills and social competencies: 1 Knowledge Basics of strength of materials, structural mechanics, concrete structures, steel structures Skills Building construction behaviour, basics of structural computations Resposibility Assumptions and objectives of the course:						
Acquir	ing basic knowledge o	n bridge structures, their forms, a	nd elements			
	Study outco	mes and reference to the	educational results for	a field of study		
Knov	vledge:					
	ic definitions - [K_W09	-				
2. Bridge types and their structural elements - [K_W09]						
3. Bridge equipment - [K_W10]						
Skills:						
1. Brudge drawing description - [K_U01]						
2. Indentification of functions of certain bridge element - [K_U14] 3. Pridge leading propagation deak. [K_U14] 3. Pridge leading propagation deak. [K_U14] 4. Pridge leading propagation deak. [K_U14] 5. Pridge leading propagation deak. [K_U14] 6. Pridge leading propagation deak. [K_U1						
3. Bridge loading arrangement on deck - [K_U04] Social competencies:						
1. Self-reliance - [K_K01]						
2. Honesty - [K_K02]						

Assessment methods of study outcomes					
Written exam					
Discussion on design exercise					
Course description					

Faculty of Civil and Environmental Engineering

Basic definitions, bridge structure main elements, types and elements of bridge spans, types and element of bridge supports, bridge bearings, bridge span equipment, brudge structure dimensions, bridge classifications, dead and live load on bridges, basic methods of bridge span and support analysis

Basic bibliography:

- 1. Ryżyński A., Wołowicki W.: Karlikowski J., Skarżewski J.: Mosty stalowe, PWN, Warszawa 1985
- 2. Madaj A., Wołowicki W.: Projektowanie mostów betonowych, WKiŁ, Warszawa 2010
- 3. Madaj A., Wołowicki W.: Podstawy projektowania budowli mostowych, WKiŁ, Warszwa 2007

Additional bibliography:

1. PN-EN 1991-2:2007 Eurokod 1: Oddziaływania na konstrukcje, Część 2: Obciążenia ruchome mostów

Result o	f average	student's	workload
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Activity	Time (working hours)				
Student's workload					
Source of workload	hours	ECTS			
Total workload	50	2			
Contact hours	30	1			
Practical activities	20	1			