		STUDY MODULE D	ESCRIPTION FORM			
Name of the module/subject				Code 1010115141010118606		
Field of			Profile of study	Year /Semester		
Civil Engineering Extramural Second-cycle			(general academic, practical) (brak)	2/4		
Elective path/specialty			Subject offered in:	Course (compulsory, elective)		
Structural Engineering			Polish	obligatory		
Cycle of	study:		Form of study (full-time,part-time)			
Second-cycle studies			part-time			
No. of h	ours			No. of credits		
Lectur	e: - Classes	s: 10 Laboratory: -	Project/seminars:	- 16		
Status c	-	program (Basic, major, other)	(university-wide, from another f			
Educatio	on areas and fields of sci	(brak)		ECTS distribution (number		
Luucan				and %)		
Resp	onsible for subje	ect / lecturer:				
	ab. inż. Maciej Szumię					
	iil: maciej.szumigala@ )61 665 2401	put.poznan.pl				
	ulty of Civil and Enviro	nmental Engineering				
ul. F	Piotrowo 5 60-965 Poz	nań				
Prere	quisites in term	s of knowledge, skills an	d social competencies:			
	Advanced knowledge of the strength of materials and mechanics of structures, metal					
1	Knowledge	structures, reinforced concrete	structures, masonry structures,	wood structures.		
2	Skills	The ability to acquire informatio various buildings.	n from all sources, prepare a fu	Il project documentation of		
3	Social competencies	Awareness of the need to broad careers.	len their skills and taking a majo	or responsibility in their future		
Assu	mptions and obj	ectives of the course:				
Gaining ability to broaden knowledge through reading the science and technology press, presentation of the acquired knowledge and the results of their own work in public, participation in public discussion.						
	Study outco	mes and reference to the	educational results for	a field of study		
Know	/ledge:					
1. Knows the principles of analysis, design and dimensioning elements of buildings - [K_W02]						
<ol> <li>Knows classification and scope of supporting computer programs [K_W08]</li> <li>Knows the technical conditions of designing buildings and their components - [K_W014]</li> </ol>						
3. Knov		uons of designing buildings and ti	neir components - [K_W014]			
1. Can make the evaluation and ranking of any loads acting on buildings - [K_U01]						
2. Can perform static, dynamic and stability analysis of buildings [K_U04]						
3. Can design elements and their connections in complex construction projects - [K_U03]						
4. Can define a computer model of the structure and analyze it [K_U06 K_U13]						
Social competencies:						
<ol> <li>While realizing certain task can work independently and in a team - [K_K01]</li> <li>Is responsible for the accuracy of the results of own work - [K_K02]</li> </ol>						
		-		dependently - [K K02]		
3. Complements and extends knowledge in the field of modern processes and technologies independently - [K_K03]						

## Assessment methods of study outcomes

The method of preparation of the graduate work (diploma thesis) is evaluated by the supervisor and the assessment shall be included in the grade transcript before the final exam.

Course description		
Consistent with the theme of own graduate work (diploma thesis.		
Teaching methods.		
A lively discussion with a graduate on current problems, explanations on a retechnical literature.	egular basis or providing	sources in scientific and
Basic bibliography:		
1. Construction standards and guides and manuals construction and building	9	
Additional bibliography:		
1. Scientific - technical magazines		
Result of average student's	workload	
Activity		Time (working hours)
1. OWN WORK(Intependent) Preparation of thesis and scientific research	243	
2. Direct contacte/consultation with supervisor	7	
Student's workload	l	
Source of workload	hours	ECTS
Total workload	450	16
Contact hours	10	1
Practical activities	440	15