		STUDY MODULE D	ESCRIPTION FORM				
Name o	f the module/subject		Code 1010112121010105660				
Field of	study		Profile of study	Year /S	emester		
Civil Engineering			(general academic, practical)		4 / 2		
Elective	path/specialty		Subject offered in:	Course	(compulsory, elective)		
	1	-	English		obligatory		
Cycle of	f study:		Form of study (full-time,part-time)				
Second-cycle studies			full-time				
No. of h	ours			No. of c	redits		
Lectur	re: 15 Classes	s: 30 Laboratory: 15	Project/seminars:	15	4		
Status o	of the course in the study	program (Basic, major, other)	(university-wide, from another	field) (brok)			
Educati	on areas and fields of sci	ence and art		ECTS d	istribution (number		
Educati				and %)			
techr	nical sciences			4 10	0%		
Responsible for subject / lecturer: Responsible for subject / lecturer:							
M.S	c. Eng. Roman Milwic	Z	M.Sc. Eng. Sebastian Dub	as			
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tei. Bud	616652830 Iownictwa i Inżvnierii Ś	Srodowiska	tel. 616652830 Faculty of Civil and Environmental Engineering				
ul. F	Piotrowo 5 60-965 Poz	nań	ul. Piotrowo 5 60-965 Poz	ul. Piotrowo 5 60-965 Poznań			
Prere	quisites in term	s of knowledge, skills and	d social competencies				
1	Knowledge	Basic knowledge of construction	technology: materials, equipment, machines				
_		Learn how to prepare construction process					
2	Skills	Ability to search the information					
3	Social competencies	Awareness of lifelong learning, th	ne ability to work in a group and adopt different social roles.				
Assu	mptions and obj	ectives of the course:					
Familia familia	arize students with the rization with the method	methodology for calculating the Lods of planning construction project	CC, the methods of creating a ts	nd calculatin	g cost estimates and		
	Study outco	mes and reference to the	educational results for	a field of	f study		
Knov	vledge:						
1. Stud organiz	lent nows the procedu zation of the construct	ires of construction technology. Kn ion process - [K_W10]	owledgeable about the materi	als, costs, eo	quipment and		
2. Student has knowledge about traditional construction methods. Understand the principles o strength of materials and economy - [K_W11]							
3. Student knows and applies the provisions of construction solutions - [K_W17]							
4. The student has knowledge about the impact of the investment and the existing buildings on the environment - [K_W13]							
Skills: 1. Uses specialized tools to find useful information, communication and acquisition of software to support the work of the							
c student knows how to do, contract or construction project, manage the building process $-IK + I101$							
3. Student is able to explain the most important technologies and methods connected with civil engineering - [K_U12]							
4. Stuc	lent can make the dev	relopment of preparing him to unde	ertake scientific work [K_U1	8]			
Social competencies:							

45

30

Student can carrying out certain tasks to work independently, to work in a team and manage a team. - [K_K01]
Student is responsible for the accuracy of the results of their work and an assessment of the work of a subordinate unit -

[K_K02]

3. Student can complement and extens knowledge of modern processes and technologies in construction - [K_K03]

4. Student is aware of the need for sustainable development in construction - [K_K04]

5. Student understands the need to inform the public knowledge of the construction - [K_K08]

Assessment methods of study outcomes						
The activity of the student in the classroom						
Final test of the lectures						
Indirect tests, after each major part of material						
Course description						
construction technologies:						
1. Inner and outer plasters						
2. Flat roofs	Flat roofs					
3. Steep roofs						
4. Foundations						
5. Deep foundations						
6. Waterproof, humidproof insulation						
7. Thermal insulation						
8. Drywalls partition walls						
9. Drywall ceilings						
10. Cement and gypsum flooring						
11. Carpentry						
12. Tiling						
13. Painting works, types of paints						
14. Masonry (brickwork)						
15. Earthwork						
16. Fastening systems, joints, fasteners (nails, screws, bolts, nuts)						
Basic bibliography:						
1. Structural Glass Facades and Enclosures, Mic Patterson						
2. Foundations & Concrete Work, Fine Homebuilding Magazine						
3. Flat Roof Construction Manual (Konstruktionsatlanten), Klaus Sedlbauer						
4. Complete Masonry: Building Techniques, Decorative Concrete, Tools and Materials, Sunset Books						
Additional bibliography:						
1. The Timber-Frame Home: Design, Construction, Finishing, Tedd Benson						
2. Materiały udostępnione na portalu edukacyjnym Moodle PUT						
Result of average student's workload						
Activity	Time (working hours)					
1. Lectures	15					

2. Laborathories 3. Student

Student's workload					
Source of workload	hours	ECTS			
Total workload	75	4			
Contact hours	60	2			
Practical activities	15	2			