		STUDY MODULE D	ESCRIPTION FORM			
Name of the module/subject industrialized construction technology						
		uction technology	Profile of study	10101161010113423 Year /Semester		
Field of study Civil Engineering First-cycle Studies			(general academic, practical) general academic	3/6		
Elective	path/specialty		Subject offered in:	Course (compulsory, elective)		
		-	Polish	elective		
Cycle of	study:		Form of study (full-time,part-time)			
	First-cyc	le studies	full-time			
No. of hours				No. of credits		
Lectur	0100000	1	Project/seminars: 15			
Status c	-	program (Basic, major, other) major	(university-wide, from another field	n field		
Educatio	on areas and fields of sci		non	ECTS distribution (number and %)		
tochr	nical sciences			2 100%		
lecili	Technical scie	2000		2 100 %		
	rechnical scie	ences		2 100%		
Resp	onsible for subje	ect / lecturer:	Responsible for subject / lecturer:			
-	ef Jasiczak		Marlena KUCZ			
	ill: jozef.jasiczak@put 61 6652494	.poznan.pl	email: marlena.kucz@put.poznanpl tel. 616652464			
	ownictwa i Inżynierii Ś	Brodowiska	Budownictwa i Inżynierii Środowiska			
Piot	rowo5, Poznań		Piotrowo5, Poznań			
Prere	quisites in term	s of knowledge, skills an	d social competencies:			
1	Knowledge	The student has a basic knowled	owledge of technology and building materials			
2	Skills	Able to obtain information from the literature and other sources. It can combine the information obtained.				
3	Social competencies		the consequences of their decisio king lives. He understands the ne			
Assu	mptions and obj	ectives of the course:				
-The aim of the course is to acquaint students with the technology implementation of housing facilities, utilities and industrial construction site. The building, technology implementation, method of construction objects, technological systems. Technologies and systems for precast concrete construction.						
	<i>°</i> ,		educational results for a	field of study		
Know	/ledge:			•		
1. Knov	ws the principles of de	sign and analysis of selected obje and demolition of buildings - [K_W	ects of general construction and hat 09, T1P_W04 T1P_W05]	as expertise in the		
	wledge of technology nents - [K_W12, T1F		the rules of the industrial production	on of building materials and		
3. Knov [K_W1	ws the most commonly 4 T1P_W02 T1P_W05	y used building materials and bas 5 T1P_W10]	ic elements of manufacturing then	1 -		
Skills	:					
acquisi the info [K_U16	tion software to suppo prmation obtained, to r 5 T1P_U01 T1P_U03	ort the work of the designer and or nake their interpretation, as well a T1P_U04 T1P_U05]	d other sources to search for inform ganizer of the construction works to draw conclusions and formula	Student is able to integrate ate and justify opinion -		
techno	logical solutions - [K_	_U19 T1P_U01 T1P_U13]	ke the selection of building materi	als to the end to design		
	I competencies:					
		need of team effort in solving theo ad for continuing to increase the d	retical and practical problems - epth and breadth of their knowled	[K_K01 T1P_K03 T1P_K04] ge - [K_K03 T1P_K01]		

Assessment methods of s	study outcomes			
-Final test, scale of marks [%]				
91-100, very good (A)				
81-90, good+ (B)				
71-80, good (C)				
61-70, satisfactory+ (D)				
51-60, satisfactory (E)				
less than 50, fail (F)				
Continuous assessment of progress made by students, their activity in	gaining knowledge/skills			
Course descrip	otion			
-Evolution of construction technologies in the years 1945 - 2014				
Overview and characteristics of the forming equipment for concrete construction technology monolithic				
Climatic conditions of the execution of works of concrete at a construct	tion site			
Support of construction projects				
Prefabrication. Prefabrication plants.				
Prefabrication systems: Szczecin, Rataje, Winogrady.				
Technological defects prefabricated buildings and repair methods.				
Modernization of prefabricated buildings.				
steel and wooden structures.				
Building insulation systems.				
Basic bibliography:				
1. Orłowski Z.: Podstawy technologii betonowego budownictwa monolitycznego. PWN, Warszawa, 2013, s.336				
2. Jasiczak J.: Technologie budowlane II. Poznań, 2003 , s. 200. Witry Poznań	na Alma Mater. Instytut Konstr	ukcji Budowlanych,		
3. Neville AM.: Właściwości betonu. Polski Cement, Kraków 2013				
4. Biliński Tadeusz, Gaczek Wojciech - Budownictwo systemowe, PP				
 Starosolski Włodzimierz - Połączenia w żelbetowych prefabrykowar Śląskiej, Gliwice 2006 	ych konstrukcjach szkieletowy	ch. Wyd. Politechniki		
Additional bibliography:				
1. Sieczkowski Józef, Nejman Tadeusz - Ustroje budowlane, Warszaw	a 2002, rozdział dot. Prefabryl	kacji		
2. Katalogi systemowe				
3. Katalogi systemowe				
4. PN-EN 13747 Prefabrykaty z betonu - elementy stropowe płytowe				
Result of average stude	nt's workload			
Activity	Time (working hours)			
1. lecture		30		
2. studying the source materials (literature, internet etc.)		20		
Student's work	load			
Source of workload	hours	ECTS		
Total workload	50	2		
Contact hours	30	1		
Practical activities	0	0		