		STUDY MODULE D	ESCRIPTION FORM			
Name of the module/subject Co				Coc 101	de I 0102231010110144	
Field of Envi		eering Second-cycle	Profile of study (general academic, practical general academic		Year /Semester 2 / 3	
Elective	path/specialty Water Supply,	Water and Soil Protection	Subject offered in: Polish		Course (compulsory, elective) obligatory	
Cycle of	f study:		Form of study (full-time,part-time))		
Second-cycle studies			full-	full-time		
No. of h				. –	No. of credits	
Lectur	e: 15 Classes	s: - Laboratory: -	Project/seminars:	15	2	
Status o	-	program (Basic, major, other) other	(university-wide, from another univ		ty-wide	
Education	on areas and fields of sci	ence and art			ECTS distribution (number and %)	
techr	nical sciences				2 100%	
Technical sciences					2 100%	
dr ir ema tel. t Fac	onsible for subje až. Magdalena Hajdas ail: email: magdalena.h tel. 61 665 21 91 ulty of Civil and Enviro rowo 5, 60-965 Pozna	z najdasz@put.poznan.pl onmental Engineering				
		s of knowledge, skills and	d social competencies	:		
1	Knowledge	Basic knowledge of building mat process	erials, technology and organis	ation	of the construction	
2	Skills	Skills in obtaining information fro Skills in analysing engineering a	•	t		
3	Social	Workteam skills				
U	competencies	Responsibility for the accuracy of	f the results of one?s own wor	rk		
Unders	standing the structure	ectives of the course: of the investment process, basics ng network models and of site laye		ient ir	n construction. Obtaining	
	Study outco	mes and reference to the	educational results for	r a f	ield of study	
Know	vledge:					
1. Fam	iliarity with the structu	re, rights and obligations of the pa	rticipants involved in the inves	stmer	nt process - [[K2_W08]]	
	0 1 0	g and construction organization ba				
	- V	ction documentation - [[K2_W08]				
Skills		ructure of the investment and and	known rights and childretics	ofth	portioinante involved in the	
constru	uction process - [K2_l	ructure of the investment process, J01, K2_U02, K2_U05]]	0 0			
alterna	tive solutions - [K2_l	nstruction schedule and network m J01, K2_U02, K2_U05, K2_U09, k	(2_U10, K2_U17]]			
		relop a concept of the construction [[K2_U01, K2_U02, K2_U05, K2_		nto ac	count the conditions during	
Socia	al competencies:					
1. Stuc [[K2_K		gnificance and understands the no	n-technical aspects and otcom	nes o	f engineering activities -	
	,	rmine priorities for the specific tas	. –			
3. Stuc	lent recognises the ne	ed for a systematic development of	of competences and engineeri	ng kr	nowledge - [[K2_K01]]	

Assessment methods of	study outcomes	
Written exam: 60 minutes test, activity		
Presentation		
Rating scale:		
91-100 very good		
81-90 good plus		
71-80 good		
61-70 dostateczna plus sufficient plus		
51- 60 sufficient		
below 50 insufficient		
project: developing a concept of the construction site management		
Course descri	iption	
Investment process organization. Stages of the investment process. their duties. Introduction to the theory of organization and management management. Construction management taking into account the conconditions. Time-cost analysis. Organizational structure. Project deliv construction site layout planning. Construction documentation.	ent. Schedules and network p struction processes dynamic	planning in construction s and variable environmenta
Basic bibliography:		
1. Jaworski K.M., Podstawy organizacji budowy, Wydawnictwo Nauko	owe PWN, Warszawa, 2004	
2. Robbins.S.P., De Cenzo D.A., Podstawy Zarządzania, Polskie Wy	dawnictwo Ekonomiczne, Wa	arszawa, 2002
3. Meszek W., Żywica R., Żywica A., Organizacja procesu inwestycyj	inego. Politechnika Pozna	ńska 2003
Additional bibliography:		
1. Dyżewski A., Technologia i organizacja budowy, Arkady, Warszaw	<i>v</i> a, 1990	
2 Werner W., Zarządzanie w procesie inwestycyjnym, Oficyna Wyd	lawnicza Politechniki Warsza	wskiej, Warszawa 2008
Result of average stude	ent's workload	
Activity		Time (working hours)
1. Participation in lectures		15
2. Participation in exercises		15
3. Preparation of the project	10	
4. Prepare to pass lectures	10	
Student's wor	kload	
Source of workload	hours	ECTS
Total workload	50	2
Contact hours	30	1