		STUDY MODULE D	ESCRIPTION FORM		
	f the module/subject eying Measuren	nents Training		Code 1010104131010120121	
Field of Civil		st-cycle Studies	Profile of study (general academic, practical) general academic	Year /Semester	
Elective	path/specialty	-	Subject offered in: Polish	Course (compulsory, elective) obligatory	
Cycle of	study:		Form of study (full-time,part-time)		
	First-cyc	cle studies	part-	time	
No. of h				No. of credits	
Lectur	0.0000		Project/seminars:	- 1	
Status o	f the course in the study	program (Basic, major, other)	(university-wide, from another f		
F 1 (1)		other	unive	ersity-wide	
Educatio	on areas and fields of sci	ence and art		ECTS distribution (number and %)	
•	onsible for subj	ect / lecturer:			
ema tel. 6	inż. Michał Moczko il: michal.moczko@p 616652421				
	ulty of Civil and Enviro Piotrowo 5 60-965 Poz	onmental Engineering mań			
Prere	quisites in term	is of knowledge, skills an	d social competencies:		
1	Knowledge	Knowledge of analytic geometry of mathematical analysis.	r, trigonometry and knowledge o	of the basic methods in the field	
		The knowledge gained in the classroom with surveying conducted in the semester preceding the practice of surveying.			
2	Skills	Ability to solve basic tasks in mathematics of geometry and trigonometry.			
2	OKIII5	Skills gained in the classroom w of surveying.	ith surveying conducted in the	semester preceding the practice	
3	Social competencies	Diligence and regularity in acqui	iring knowledge and skills.		
Assu	mptions and ob	ectives of the course:			
This is fieldwo etc. de	done by consulting an rk tasks include traini termines the height di	eying practices are known to deven and implementation of practical acti ng in mastering the techniques of fferences. Entire job including the of the tasks encountered in engine	ons clearly formulating surveying measurement, which is measured evelopment is to develop the	ng tasks. Linking the theme of red repeatedly length, angles,	
	Study outco	mes and reference to the	educational results for	a field of study	
Know	/ledge:				
require	d accuracy [K_W03	properly interpret the task of surv]	veying, choose the equipment a	nd perform them with the	
		rre angles, distances and height d	ifferences, calculate the most p	robable value and assess the	
2. Able	to perform basic calc	ulations directly surveying and us		U14]	
		ential directly and using CAD soft	ware [-K_U14]		
	Il competencies:		051		
		a designated task [-K_K01,K_K		KU3 K KU61	
2. Siud	ents deepen their Kho	owledge in the field of geodesy and	u vennes it in iegai terms [K_	NU3,N_NU0]	
		Assessment metho	ds of study outcomes		

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