		STUDY MODULE D	ESCRIPTION FORM		
	f the module/subject		Code 1011104411011000063		
Field of	study		Profile of study (general academic, practical)	Year /Semester	
Logi	stics - Part-time	studies - First-cycle	(brak)	1/1	
Elective	e path/specialty	-	Subject offered in: Polish	Course (compulsory, elective) obligatory	
Cycle o	f study:		Form of study (full-time,part-time)		
	First-cyc	le studies	part-ti	me	
No. of h	iours			No. of credits	
Lectu	re: 10 Classes	s: 10 Laboratory: -	Project/seminars:	4	
Status of	of the course in the study	program (Basic, major, other)	(university-wide, from another fiel	d)	
		(brak)	(b	(brak)	
Educati	on areas and fields of sci	ence and art		ECTS distribution (number and %)	
ema tel. Wyd	iola Skorupka ail: mariola.skorupka@ 61 665 23 53 dział Elektryczny Piotrowo 3a, 60-965 Pe				
Prerequisites in terms of knowledge, skills and social competencies:					
1	Knowledge	Basic knowledge mathematics v	matics with range of secondary school.		
2	Skills	The ability to think logically. Abil	ity to describe simple problems in	mathematical language.	
3	Social competencies	Working in a group.			
Assu	mptions and obj	ectives of the course:			
Acquir	ing and consolidating	of basic mathematical concepts of	n examples and skills in mathema	itical apparatus.	
	Study outco	mes and reference to the	educational results for a	field of study	
Knov	vledge:				
1. Has knowledge of selected aspects of higher mathematics - [T1A_WO1]					
2. App Skills		s to solve technical problems - [T	IA_WO1]		
		of mathematics as a tool in mana			
	-	mathematical apparatus - [T1A]			
	al competencies:				
		nal mathematical apparatus in ma	nagement - [T1A_KO4]		
			do of study outcomos		

## Assessment methods of study outcomes

Tests, written and oral exam

Course description

Elements of linear algebra.		
Sequences and their limits.		
The functions of single variable.		
Continuity and limit of functions of single variable.		
Elements of the differential calculus of functions of single variable.		
Basic bibliography:		
Additional bibliography:		
Result of average stud	lent's workload	
Activity		Time (working hours)
1. Lectures		10
2. Classes		10
3. Consultation	15	
4. Preparing to classes	10	
5. Preparing to pass the lectures		10
6. Preparing to pass the classes		10
7. Pass classes	2	
8. Pass lectures		2
Student's wo	rkload	
Source of workload	hours	ECTS
Total workload	69	4
Contact hours	39	2
Practical activities	34	2