1011101421010340063

Code

Name of the module/subject

Mathematics

Field of	study		Profile of study	Year /Semester
Logi	stics - Full-time	studies - First-cycle studie	(general academic, practical) es general academic	1/2
Elective	path/specialty	-	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of	f study:		Form of study (full-time,part-time)	•
First-cycle studies			full-time	
No. of h	ours	l		No. of credits
Lectur	e: 15 Classe	s: 30 Laboratory: -	Project/seminars:	4
Status o	of the course in the study	program (Basic, major, other)	(university-wide, from another field	
		other	univers	sity-wide
Education areas and fields of science and art				ECTS distribution (number and %)
technical sciences				4 100%
Resp	onsible for subj	ect / lecturer:	Responsible for subject	/ lecturer:
dr Grzegorz Grzegorczyk			Zenon Zbąszyniak	
email: grzegorz.grzegorczyk@put.poznan.pl			email: zenon.zbaszyniak@put.poznan.pl	
tel. 61 665 26 87 Wydział Elektryczny			tel. 61 665 27 12 Wydział Elektryczny	
ul. Piotrowo 3A 60-965 Poznań			ul. Piotrowo 3a, 60-965 Poznań	
Prere	quisites in term	ns of knowledge, skills and	d social competencies:	
1	Knowledge	Basic knowledge from first semes	ster.	
2	Skills	The ability to think logically. Abilit	ty to describe simple problems in	mathematical language.
2	Social	Working in a group.		
3	competencies			
Assu	mptions and ob	jectives of the course:		
Acquiri	ng and consolidating	of basic mathematical concepts usi	ing examples and skills in mather	matical tools.
	Study outco	mes and reference to the	educational results for a	field of study
Know	vledge:			
	J	d branches of higher mathematics	. – .	
		s to solve selested technical proble	ems - [K1A_W01]	
Skills				
		wledge of mathematics as a tool in	• •	
	al competencies	sing mathematical tools - [K1A_U0	9]	
		to deepen their mathematical know	vledge - [T1A KO1]	
		or learning throughout life - [T1A_ł		
				_
· 		Assessment method	Is of study outcomes	

STUDY MODULE DESCRIPTION FORM

Tests, written and oral exam.

Course description

Poznan University of Technology Faculty of Engineering Management

Elements of the integral calculus of functions of single variable.		
Series of numbers.		
Ordinary Differential Equations.		
Functions of several variables.		
Basic bibliography:		
Additional bibliography:		
Result of average student's	workload	
Activity		Time (working hours)
Activity 1Lectures		
•		hours)
1Lectures		hours)
1. Lectures 2. Classes		30 15
1. Lectures 2. Classes 3. Consultation		30 15 15
Lectures Classes Consultation Preparing to classes		hours) 30 15 15
1. Lectures 2. Classes 3. Consultation 4. Preparing to classes 5. Preparing to pass the lectures	I	hours) 30 15 15 15 23
1. Lectures 2. Classes 3. Consultation 4. Preparing to classes 5. Preparing to pass the lectures 6. Exam	l hours	hours) 30 15 15 15 23
1. Lectures 2. Classes 3. Consultation 4. Preparing to classes 5. Preparing to pass the lectures 6. Exam Student's workload		hours) 30 15 15 15 23 2
1. Lectures 2. Classes 3. Consultation 4. Preparing to classes 5. Preparing to pass the lectures 6. Exam Student's workload Source of workload	hours	hours) 30 15 15 15 23 2 ECTS