



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Mathematics 1 - Analysis [N1EiT1>MAT1AN]

### Course

Field of study

Electronics and Telecommunications

Year/Semester

1/1

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

Polish

Form of study

part-time

Requirements

compulsory

### Number of hours

Lecture

50

Laboratory classes

0

Other (e.g. online)

0

Tutorials

20

Projects/seminars

0

### Number of credit points

9,00

### Coordinators

dr Agnieszka Ziemkowska-Siwiek

agnieszka.ziemkowska@put.poznan.pl

### Lecturers

dr Agnieszka Ziemkowska-Siwiek

agnieszka.ziemkowska@put.poznan.pl

### Prerequisites

none

### Course objective

none

### Course-related learning outcomes

Knowledge:

Skills:

Social competences

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

none

### Programme content

none

### Course topics

none

### Teaching methods

none

### Bibliography

Basic

1. M. Gewert, Z. Skoczylas, Analiza matematyczna 1 i 2. Definicje, twierdzenia wzory.
2. M. Gewert, Z. Skoczylas, Analiza matematyczna 1 i 2. Przykłady i zadania
3. W. Krysicki, L. Włodarski, Analiza matematyczna w zadaniach cz.1 i 2.
4. J. Mikołajski, Z. Sołtysiak, Zbiór zadań z matematyki dla studentów studiów technicznych

Additional

1. G.M. Fichtenholz, rachunek różniczkowy i całkowy, tom 1, 2 i 3.

### Breakdown of average student's workload

	Hours	ECTS
Total workload	330	15,00
Classes requiring direct contact with the teacher	140	5,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	190	10,00