

Title Mathematics II	Code 1010331111010340264
Field Automatics and Robotics	Year / Semester 1 / 1
Specialty -	Course core
Hours Lectures: 2 Classes: 2 Laboratory: - Projects / seminars: -	Number of credits 6
	Language polish

Lecturer:

Jacek Gruszka PhD
Institute of Mathematics, ul. Piotrowo 3a,
60-965 Poznań, tel. +48 (61) 665-2320
jacek.gruszka@put.poznan.pl

Faculty:

Faculty of Electrical Engineering
ul. Piotrowo 3A
60-965 Poznań
tel. (061) 665-2539, fax. (061) 665-2548
e-mail: office_deef@put.poznan.pl

Status of the course in the study program:

Mathematics II

Assumptions and objectives of the course:

1. Knowledge of the algebraic structures and the method of classical and linear Algebra.
2. Knowledge of the method and applications analytic and differential Geometry.

Contents of the course (course description):

Relations. Complex numbers and its applications, matrix calculation and its applications (solving the linear equations), algebraic structures: monoids, infinite and finite groups, rings, fields. N-dimensional vector spaces, linear spaces, linear forms, analytic geometry in 3D space: plane, prime line, surfaces.

Introductory courses and the required pre-knowledge:

Mathematical knowledge of secondary school.

Courses form and teaching methods:

Lectures, class.

Form and terms of complete the course - requirements and assessment methods:

Examinations and exercises

Basic Bibliography:

-

Additional Bibliography:

-