Title Selected topics of mathematics		Code 1010332411010340677
Field Computer Science		Year / Semester
Specialty		Course
-		core
Hours		Number of credits
Lectures: 1 Classes: 1 Laboratory: - Projects / seminars	: -	3
		Language
		polish

Lecturer:

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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:

Obligatory.

Assumptions and objectives of the course:

The knowledge of the theory concerning the mentioned above topics in order to applying it to solving of technics problems. In particular: computing characteristic values (characteristic vectors) of linear transformations, solving differential equations.

Contents of the course (course description):

Differential equations of the first and second order ? methods of solving of selected types. Partial differential equations.

Linear spaces. Basis and dimension of finite dimensional linear space. Linear transformations, characteristic value (characteristic vector) of linear transformation.

Introductory courses and the required pre-knowledge:

Basic knowledge from mathematics from the secondary school, background of linear algebra, differential and integral calculus from studies of I degree.

Courses form and teaching methods:

Lectures, exercises (traditional presentation-blackboard and chalk).

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

Written classes, written tests.

Basic Bibliography:

Additional Bibliography: