Title **Mathematics**	Code **1010101121010340021**
Field **Civil Engineering First-cycle Studies**	Year / Semester **1 / 2**
Specialty **-**	Course **core**
Hours Lectures: **2** Classes: **2** Laboratory: **-** Projects / seminars: **-**	Number of credits **5**
	Language **polish**

Lecturer:

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Status of the course in the study program:

Basic course.

Assumptions and objectives of the course:

The main aim of the course is appropriation and consolidation of basic knowledge from differential equations and integral calculus , and its applications to technical problems.

Contents of the course (course description):

Ordinary differential equations. Linear differential equations of higher order and systems of linear differential equations with constant coefficients. Infinite series, power and Fourier series. Integral calculus of functions of several variables (double, triple, line and surface integrals).

Introductory courses and the required pre-knowledge:

Basic knowledge of mathematics in the field of high school and first semester.

Courses form and teaching methods:

Lectures, seminars.

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

Written classes, written tests, examination.

Basic Bibliography:

Additional Bibliography:

http://www.put.poznan.pl/