

Title (Metody obliczeniowe)	Code 1010124171010120088
Field Civil Engineering Extramural First-cycle Studies	Year / Semester 4 / 7
Specialty Transportation Engineering	Course core
Hours Lectures: - Classes: - Laboratory: 1 Projects / seminars: -	Number of credits 1
	Language polish

Lecturer:

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Status of the course in the study program:

Basic course

Assumptions and objectives of the course:

Familiarity with basic numerical methods and algorithms applied in engineering problems. Some practice and experience in programming and numerical computations

Contents of the course (course description):

Computational methods of basic numerical problems such as numerical integration and differentiation, solving of approximation and interpolation problems are presented. Ideas on some algorithms of numerical problems are discussed and used to creating computational applications. An example of a planar truss problem is resolved.

Introductory courses and the required pre-knowledge:

Basic knowledge on linear algebra, mathematical analysis and mechanics. Some experience in using of Linux operating system and programming using scientific software package Scilab

Courses form and teaching methods:

Computer laboratories

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

Test, practical examination

Basic Bibliography:

Additional Bibliography: