

Title Computer methods and numeric aid of design	Code 1010115121010110159
Field Civil Engineering Extramural Second-cycle Studies	Year / Semester 1 / 2
Specialty Construction Engineering and Management	Course core
Hours Lectures: 1 Classes: - Laboratory: 1 Projects / seminars: -	Number of credits 3
	Language polish

Lecturer:

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Status of the course in the study program:

Specialisation subject in the program of extramural second-cycle studies.

Assumptions and objectives of the course:

Skills for problem formulating of project time-cost tradeoff analysis.

Contents of the course (course description):

Cost calculation and processing of estimation data. Modelling of projects in the aspect of time-cost tradeoff problem and risk simulation. Scheduling at the base of probabilistic network methods. Analysis of network model in condition of time and resource constraints.

Introductory courses and the required pre-knowledge:

Knowledge about construction economics and organization of construction production.

Courses form and teaching methods:

- lectures: presentations and direct lecture,
- laboratory: tasks, computer works.

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

- lectures: written exam,
- laboratory: confirmation of elaborations.

Basic Bibliography:

Additional Bibliography: