

Title Computer methods and numeric aid of design	Code 1010115131010110162
Field Civil Engineering Extramural Second-cycle Studies	Year / Semester 2 / 3
Specialty Construction Engineering and Management	Course core
Hours Lectures: 1 Classes: - Laboratory: 1 Projects / seminars: -	Number of credits 2
	Language polish

Lecturer:

dr inż. Tomasz Thiel, dr inż. Tomasz Wiatr
Instytut Konstrukcji Budowlanych
60-956 Poznań, ul. Piotrowo 5
tel. 061 665 2454, fax 061 6652059
tomasz.thiel@ikb.poznan.pl, tomasz.wiatr@ikb.poznan.pl

Faculty:

Faculty of Civil and Environmental Engineering
ul. Piotrowo 5
60-965 Poznań
tel. (061) 665-2413, fax. (061) 665-2444
e-mail: office_dceef@put.poznan.pl

Status of the course in the study program:

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

Assumptions and objectives of the course:

Analysis skills of decision problems with using of selected computer software.

Contents of the course (course description):

Selected issues of multicriteria decision analysis for construction management purposes. Optimisation of different construction production problems with aid of mathematical linear programming methods. Presentation of computer software aiding the decision making and management.

Introductory courses and the required pre-knowledge:

Knowledge about theory of decision making and earlier levels of computer methods.

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: