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| Title Computer methods | Code 1010101151010110520 |
| Field Civil Engineering First-cycle Studies | Year / Semester 3 / 5 |
| Specialty Construction Engineering and Management | Course core |
| Hours Lectures: 2 Classes: - Laboratory: 2 Projects / seminars: - | Number of credits 4 |
| | Language polish |

Lecturer:

dr inż. Tomasz Wiatr
Instytut Konstrukcji Budowlanych
tel. 665-2454, 6652457, fax. 8766116
e-mail: 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:

Compulsory

Assumptions and objectives of the course:

Skills for operating of special purpose software for construction planning.

Contents of the course (course description):

Computer aided designing of site-layouts, scaffoldings and formworks plans of RC structures. Issues of bills of quantities and works takeoff in computer aided design phase. Calculation of cost and price in estimating software, processing of estimation data. Scheduling at the base of network methods. Network analysis in constraint conditions of time and resources. Application of different software systems.

Introductory courses and the required pre-knowledge:

Knowledge about using of CAD and Office applications.

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: