| Title | | Code |
|---|---|---|
| **Applied informatics** | | **1010101111010110015** |
| Field **Civil Engineering First-cycle Studies** | | Year / Semester **1 / 1** |
| Specialty **-** | | Course **core** |
| Hours Lectures: **2**    Classes: **-**    Laboratory: **2**    Projects / seminars: **-** | | Number of credits **4** |
| | | Language **polish** |

**Lecturer:**

dr inż. Witold Kąkol
Instytut Konstrukcji Budowlanych
ul. Piotrowo 5
60-965 Poznań
061-665 2454
witold.kakol@put.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_dceeaf@put.poznan.pl

**Status of the course in the study program:**

Basic course.

**Assumptions and objectives of the course:**

Knowledge of applied informatics, acquisition of ability to programming simply engineering problems.

**Contents of the course (course description):**

The programme covers the following subjects:  Lectures: informatics, algorithms, computer programmes, architecture of computers and new trends in developments. Software: operating systems and networks, programming languages, software engineering,  layers of operating systems and networks,  Internet,  basic Internet services, safety of databases. Introduction to operating system Linux.  Laboratory:  basic of operating system: Linux (file systems, files and directories, shells, services, editors, network services). Introduction to Scilab (a scientific software package for numerical computations in engineering and scientific applications).

**Introductory courses and the required pre-knowledge:**

Basic knowledge of informatics and mathematics.

**Courses form and teaching methods:**

Lectures and laboratories.

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

Written final examination, tests in the Computer Lab.

**Basic Bibliography:**


**Additional Bibliography:**