

Title Informatics and Programming	Code 1010134211010510388
Field Environmental Engineering Extramural First-cycle studies	Year / Semester 1 / 1
Specialty -	Course core
Hours Lectures: 2 Classes: - Laboratory: 1 Projects / seminars: -	Number of credits 6
	Language polish

Lecturer:

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Status of the course in the study program:

Basic course.

Assumptions and objectives of the course:

Students should obtain knowledge of theoretical and practical problems of IT systems in the context of applications in environmental engineering.

Contents of the course (course description):

The course lecture contains the following topics: Range of basic notions - the information and the signal, structure of computer systems, projecting the computer systems, algorithms and the data structure. Range of the architecture and the computer software - the binary arithmetic, basic elements of computer architecture, microprocessors, programming in low level languages, structure of software, programming in high level languages. Range of operating systems - the structure and the basic functions of operating systems.

Introductory courses and the required pre-knowledge:

Basic knowledge of informatics.

Courses form and teaching methods:

Lectures and laboratories.

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

Written test, tests in computer laboratory.

Basic Bibliography:

Additional Bibliography: