

Title (Algorytmy i złożoność)	Code 1010334411010330546
Field Computer Science	Year / Semester 1 / 1
Specjalty -	Course core
Hours Lectures: 1 Classes: - Laboratory: 1 Projects / seminars: -	Number of credits 4
	Language polish

Lecturer:

Krzysztof Zwierzyński, Ph.D.
Institute of Control and Information Engineering
Pl. M. Skłodowskiej-Curie 5
60-965 Poznan, Poland
Phone: +48 61 665-3755
e-mail: krzysztof.zwierzynski@put.poznan.pl

Faculty:

Faculty of Electrical Engineering
ul. Piotrowo 3A
60-965 Poznań
tel. (061) 665-2539, fax. (061) 665-2548
e-mail: office_deef@put.poznan.pl

Status of the course in the study program:

Obligatory course, field Computer Science.

Assumptions and objectives of the course:

Designing of algorithms and data structures appropriate for solving computational problems. Implementation, testing, and evaluation of computational complexity.

Contents of the course (course description):

Tables of numbers and records, one- and two-dimensional. Files of numbers and records. Lists, tables of lists and multi-level lists, hash tables. Tree structures. Algorithms for constructing data structures, generating, sorting, searching, sieving and deleting information. Computational complexity.

Introductory courses and the required pre-knowledge:

elementary knowledge on programming in a high level language

Courses form and teaching methods:

lectures, laboratory exercises and design exercises

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

exercises and final exam

Basic Bibliography:

-

Additional Bibliography:

-