

Title (Algorytmy i złożoność)	Code 1010334421010330551
Field Computer Science	Year / Semester 1 / 2
Specjalty -	Course core
Hours Lectures: 1 Classes: - Laboratory: - Projects / seminars: 14	Number of credits 5
	Language polish

Lecturer:

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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:

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Additional Bibliography:

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