

SYLLABUS

Subject Algorithms and complication

Teacher dr Andrzej Muszak

Course Description

The course is devoted above all things the conceptual and structural methods of effective solving tasks using computer. A basic element at solving tasks is a selection of algorithms and data structures. The major aspects of algorithm are his rightness and complication

Learning Outcomes

A student should receive practical knowledge and skills from an area of algorithms constructing with using basic algorithmic techniques. A student will be able to analyze algorithms complication

Grading Policy

Lecture: Written test

Laboratory: Defence of laboratory works

Timetable

Lecture: 2 hour/every week

Classes: 2 hour/every week

Textbook and Required Materials

- Aho A. V., Hopcroft J. E., Ullman J. D.: Projektowanie i analiza algorytmów komputerowych. PWN 1983.
- Lech Banachowski, Krzysztof Diks, Wojciech Rytter Algorytmy i struktury danych Wydanie piąte, Wydawnictwa Naukowo-Techniczne, Warszawa, 2001.
- Banachowski L., Kreczmar A.: Elementy analizy algorytmów. WNT 1982.
- Bogdan Buczek Algorytmy. Ćwiczenia Wydawnictwo Helion, 2009.

Prerequisites: