

Informatics 1 Course Description

Faculty: Faculty of Natural Sciences

Study program: Physics

Course Title: Informatics 1

Course Credits: 4 (ECTS)

Language of Instruction: Albanian

Course Description: Students will be gradually introduced to the basic concepts of the algorithm and the construction of block diagrams as a tool for presenting logical solutions to various problems. They will first learn ways to read data from an input device and display the results on an output device. They will be introduced to arithmetic, comparison and logical expressions and their evaluation. Operations with numbers in binary, octal and hexadecimal systems.

Course Goals: To acquaint students with the structure of the digital computer, the ways of presenting textual and numerical information on the computer.

To acquaint the student with the levels of programming languages.

To acquaint students with the basics of programming through block diagrams and pseudocode.

Course Requirements: The assessments which contribute to course score are listed below:

- Activation: 10 points
- Assignment: 20 points
- Final Exam: 70 points

Grading: The above activities constitute a quantity of 100 points which are converted into the respective grades:

- 0-44 points ->grade4;
- 45-54points ->grade 5;
- 55-64points ->grade 6;
- 65-74points ->grade 7;
- 75-84 points ->grade 8;
- 85-94points ->grade 9;
- 95-100 points ->grade 10

Course Schedule: The course extends over the first semester of the second year of study. The student will have the opportunity to attend 2 hours of lectures and 1 hour of seminar per week.

Attendance:

- Lectures are optional
- Seminars should be attended to 75% (when the student participates less than 75% does not have the right to attend the exam but passes in the next season)