

Programming Language Course Description

Faculty: Faculty of Natural Sciences

Study program: Physics

Course Title: Programming Language

Course Credits: 5 (ECTS)

Language of Instruction: Albanian

Course Description: The course provides an overview of Object Oriented and procedural languages

- Procedural programming in C++
- Solving various problems of practical life using the C++ language
- Knowledge of Structures, Classes, Objects, and APIs
- Inheritance
- Polymorphism
- Templated

Course Goals: - Getting to know the C++ programming language and creating the right skills and habits for implementing different algorithms for actions with structures.

- Solving problems using the computer
- Enabling students to compile different programs
- Familiarity with procedures and functions. Their use in different programs
- Familiarity with structured data types

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 second semester of the second year of study. The student will have the opportunity to attend 4 hours of lectures, 1 hour of seminar and 2 hours of laboratory per 7 weeks.

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)
- Laboratories are 100% mandatory