

Physics 3 (Electromagnetism) Course Description

Faculty: Faculty of Natural Sciences

Study program: Physics

Course Title: Physics 3 (Electromagnetism)

Course Credits: 11 (ECTS)

Language of Instruction: Albanian

Course Description: The general physics is one of the subjects of general disciplines. The purpose of this subject is deepening the knowledge in physics subject that is one of the fundamental natural sciences.

In this discipline, are given the necessary information for the study of the electromagnetic field, oscillating and electromagnetic waves as well as their fundamental laws.

The study of electromagnetic field conducted having studied with it as well as electrostatic field that magnetic. Special place in the study of this subject occupy the treatment of electromagnetic field's energy.

Course Goals: Some basic concepts during development of this subject are : The electric charge. Electric field. Electric energy. Direct current. The magnetic field of the continuous current. Induction of the magnetic field. The graphic representation of the magnetic field. the flow of the magnetic field. Autoinduction. Electric oscillations. Electromagnetic waves.

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

- Participation: 5 points
- Activation: 5 points
- Assignment 1: 10 points
- Assignment 2: 10 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 -> grade 4;
- 45-54 points -> grade 5;
- 55-64 points -> grade 6;
- 65-74 points -> grade 7;
- 75-84 points -> grade 8;
- 85-94 points -> grade 9;
- 95-100 points -> grade 10

Course Schedule: The course extends over the second semester of the first year of study. In the second semester, the student will have the opportunity to attend 2 hours of lectures, 3 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)
- 100% lab attendance is mandatory