

## The Experiment of Physics \_Course Description

**Faculty:** Faculty of Natural Sciences

**Study program:** Bachelor in Physics

**Course Title:** The Experiment of Physics

**Course Credits:** 6 (ECTS)

**Language of Instruction:** Albanian

**Course Description:** The subject "Physics Experiment" is a module of the discipline "Measurements in Physics" that is part of the group of disciplines of the program.

To acquire the program, the student needs basic knowledge from the subjects "Physics" and "Mathematics" developed in high school. The scientific training obtained through this subject gives the student the opportunities and skills to determine the real inaccuracies encountered during the measurement process, direct or indirect.

Also, skills are given to analyze these inaccuracies from a statistical point of view.

**Course Goals:** The ability to practice the measurement of physical quantities and the validation of physical laws through experimentation planning, scale construction of the measurement-process and the drafting of the correct and readable report for them. The ability to quickly read graphics and the effective graphic presentation of a situation. Physical measurement and adequate analytical processing of measurements. Capacity concrete device in the processing of experimental data and data analysis in real systems, finding connections between quantities. The initiation of the scientific conception of measurement and research and rigorous reporting of findings.

**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 takes place the first semester of the first year of study for 15 weeks. The student will have the opportunity to attend 2 hours of lectures and 2 hours of seminars 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)