

## **Mathematical Analysis 1 Course Description**

**Faculty:** Faculty of Natural Sciences

**Study program:** Physics

**Course Title:** Mathematical Analysis 1

**Course Credits:** 6 (ECTS)

**Language of Instruction:** Albanian

**Course Description:** The course aims to develop theoretical knowledge and increase practical skills. The student must be able to apply mathematical knowledge in practice. Basic training in the subject of Mathematical Analysis from high school.

**Course Goals:** In this course, the student will develop the concepts of the limit of the string and the function, the derivative of the differential calculus.

**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 first year of study. 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)