Course title :

Course Basic Information	
Academic Unit:	Faculty of Civil Engineering
Course title:	Mathematical analysis
Level:	Bachelor
Course Status:	Mandatory
Year of Study:	Year 1, Semester 2
Number of Classes per Week:	3+2
ECTS Credits:	6
Time /Location:	According to the Timetable
Teacher:	Prof. Dr. Fevzi Berisha
Contact Details:	fevzi.berisha@uni-pr.edu +383 44 126 989

Course Description:	The subject has to do with knowledge of mathematics dealing with the facilitation of gaining knowledge from other subjects and application of knowledge in engineering.
Course Goals:	Introduction to the mathematical knowledge needed to apply for the science of geodesy.
Expected Learning Outcomes:	After completing this course / subject teaching / student will be able to use and understand math concepts to high, so that they know how to help aid apparatus in cases where it is necessary to use mathematical apparatus. Students should be able to: 1. Build strings when given their general restriction 2. The array of settings applied arithmetic and geometric string in solving various problems 3. Graphically present the basic elementary functions 4. The function of the threshold applied to determine the continuity of the function 5. Issue derivative of elementary functions based on properties of the derivative to find the derivative of each function.

Student Workload (should be in compliance with student's Learning Outcomes)			
Activity	Hours	Day/ Week	Total
Lectures	3	15	45
Theory/ Lab Work/Exercises	2	15	30
Practical Work			
Study for intermediate test	1	15	15
Consultations with the teaher	1	15	15
Field Work			
Test, seminar paper	5	3	15
Homework			
Self-study (library or home)	1	15	15
Preparation for final exam	1	15	15

Assessment time (test, quiz, final exam)			
Projects, presentations, etc.			
Total			**150**

Teaching Methods:	-Lecture -Discussion during lectures -Exercises -Team work
Assessment Methods:	In evaluation, the percentage of the attendance of each partial evaluation in the final evaluation must be determined. One of the ways of evaluation would be: First Evaluation: 20% Second Evaluation: 20% Homework or other engagement: 10% Attendance 5% Final Exam 45% Total 100%

Primary Literature:	1. Fevzi Berisha-Abdullah Zejnullahu: Matematika- për arkitekturë , 1996, Prishtinë. 2. Fevzi Berisha: Përmbledhje detyrash të provimit nga matematika1,2, Prishtinë 2006.
Additional Literature:	1. Ejup Hamiti- Matematika I, II. Elektro - Prishtinë 2. Isak Hoxha-Matematika I,I Ndërtimtari, Prishtinë 3. Ismet Dehiri-Matematika I,I Fakultet Teknik, Prishtinë 4. Përmbledhje të ndryshme të detyrave

Designed teaching plan

Week	Title of the Lecture
Week 1:	Strings numerical
Week 2:	Limits of strings
Week 3:	Progressions
Week 4:	Numerical functions
Week 5:	Actions and functions composition
Week 6:	Some special class of functions
Week 7:	Limits and functions continuity
Week 8:	Derivative function
Week 9:	Derivatives of elementary functions
Week 10:	Fundamental theorem on unification differential
Week 11:	Extreme values of functions
Week 12:	Review of the functions
Week 13:	Integral undetermined
Week 14:	Integral particular
Week 15:	Application of particular integral

Academic Policies and Code of Conduct
- Regular attendance of lectures and exercises - Being quiet during the sessions - Shutting down mobile phones - Being on time

Note | If a student has more than 3 class assignements evaluated below 50% he/she loses the right on taking the final exam. Evaluation is done from 0-100 %.