Course title: Mathematics II

Course basic information				
Academic Unit:	Faculty of Civil Engineering			
Course Name:	Mathematics II			
Level:	Bachelor			
Course Status:	Mandatory			
Year of Study:	I (first)			
Number of Hours per Week:	3+2			
ECTS Credits:	9			
Time /Venue:	According to time table			
Mësimdhënësi i lëndës:	Prof.Dr.Abdullah Zejnullahu			
Detajet kontaktuese:	e-mail: abdullah.zejnullahu@uni-pr.edu www.fn.uni-pr.edu			
Course Description	The subject concentrates on the information from the field of			
	mathematics with the aim to facilitate and help other subjects			
	from the field of Civil Engineering.			
Course Objectives:	and an			
Learning Outcomes:	At the end of this course students will be able to use and to			
	understand concepts of higher Mathematics with the aim to			
	use this knowledge as an aide in other subjects which use			
	mathematical apparatus.			
	Upon completion of this course students will be able to:			
	- To create sequences given their general formula			
	-the apply arithmetic and geometric sequences in solving various problems			
	- to find the graphs of elementary functions			
	- to apply the limit of the function in order to determine the			
	continuity of the function			
	- To find the derivative of elementary functions and based on			
	the properties of derivative to find the derivative of other			
	functions,			
	- To plot the graph of a function by using the derivatives			
	- To apply definite integral in solving some problems of			
	geometry and mechanics			
Chudent Mendlerd (Consistent with the Learning Outer week)				

Student Workload (Consistent with the Learning Outcomes)						
Activity	Hours	Day/ Week	Total			
Lectures	3	15	45			
Theory/ Lab Work	2	15	30			
Practical Work						
Contact Hours with Teacher	2	10	40			
/Consultations during Office Hours	2	10	40			
Field Work						
Colloquium, Seminars	9	2	18			
Homework	2	15	30			

Self-study Time			45	22		
(in the Library or at Home)		2	15	30		
Final Exam Preparation		5	5	25		
Evaluations (Tests, Quiz, Final example 2017)	Evaluations (Tests, Quiz, Final exam)		2	6		
Projects, Presentations, etc.						
Total				224		
Teaching Methodology:		Lectures and exercises				
Evaluation Methods:		First assessment 20%				
		Second Assessment 20%				
		Attendance 5%				
		Final Exam 45%				
Literature						
Basic Literature:		1. Fevzi Ber	isha-Abdullah Zej	nullahu: Matematika- për		
	arkitekturë,	arkitekturë, 1996, Prishtinë.				
	2. Fevzi Berisha: Përmbledhje detyrash të provimit nga					
	matematika1	matematika1,2, Prishtinë 2006.				
	3. Alexs Himonas, Alan Howard- Calculus Ideas and					
	A Robert T Smith Roland B Minton -CALCULUUS Single					
		Variable, 2002 USA.				
Additional Literature:		1. Ejup Hamiti – Matematika I, II. Elektro - Prishtinë				
	2. Isak Hoxha – Matematika I,I Ndërtimtari, Prishtinë					
		3. Ismet Dehiri – Matematika I,II Fakultet Teknik, Prishtinë				
	4. Permoleanje te narysnme te detyrave					
Course Plan:						
Week	Title of the Lecture					
Week 1:	Numerical sequences					
Week 2:	Limit of sequence					
Week 3:	Progressions					
Week 4:	Numerical functions					
Week 5:	Composition of functions					
Week 6:	Some distinct class of functions					
Week 7:	Limit and the continuity of a function					
Week 8:	Derivative of the function					
Week 9:	Derivative of elementary functions					
Week 10:	Elementary theorems on differential calculus					
Week 11:	Extreme values of a function					
Week 12:	Plotting the graph of any function					
Week 13:	Indefinite integral					
Week 14:	Definite integral					
Week 15:	App	lication of defir	nite integral			

Academic Policies and Rules of Civility:

- Students should be regular in attending lectures;
- Encouraged to ask questions and participate in any activity, freely;
- Must be attentive and respect the institution, schedule and rules set by the faculty;
- During the exams, the use of mobile phones is not allowed;
- Not allowed to arrive late or leave the classroom without any valid reason;
- Must take IDs with them when undergoing tests and examinations;
- During the seminar paper process, the instructions given by the professor must be followed.