

Course title: Road design

Course Basic Information			
Academic Unit:	Faculty of Civil Engineering		
Course Name:	Road design		
Level:	Bachelor		
Course Status:	Elective		
Year of Study:	II		
Number of Hours per Week:	2+1		
ECTS Credits:	3		
Time /Venue:	According to the Schedule		
Course Teacher:	Prof. asoc. dr. Naim Hasani		
Contact Details:	E-mail: naim.hasani@uni-pr.edu www.fn.uni-pr.edu		
Course Description			
Course Description	Road design is a basic subject with basic content of road planning, design and construction while respecting safety and environment.		
Course Objectives:	Basic preparation		
Learning Outcomes :	<p>Upon completion of this course the student will be able to:</p> <ol style="list-style-type: none"> 1. to know the problems of road planning, 2. calculate the required amount of materials, 3. to know the safety measures during the construction and use of roads 4. to describe the priority for the withdrawal of the route in protection of historical, economic and environmental values, 		
Student Workload (Consistent with the Learning Outcomes)			
Activity	Hours	Day/ Week	Total
Lectures	2	15	30
Theory/ Lab Work	1	15	15
Practical Work			
Contact Hours with Teacher /Consultations during Office Hours	1	5	5
Field Work			
Colloquium, Seminars	2	4	8
Homework			
Self-study Time (in the Library or at Home)	3	2	6
Final Exam Preparation	1	7	7
Evaluations (Tests, Quiz, Final exam)	2	2	4
Projects, Presentations, etc.			
Total			75
Teaching Methodology:			
Teaching Methodology:	<i>(Lectures, exercises during lessons using different materials, group work of 2-3 students in a project (independent work), individual homework).</i>		
Evaluation Methods:			
Evaluation Methods:	<i>(Course pass rate is 50%. Student attendance 80%;</i>		

	<i>Individual homework performed 90%; Individual tasks performed at home 100%; Assessment from tests 50%; Final exam 50%.)</i>
Basic Literature:	Dr. Naim Hasani Technical guide for low construction, Prishtina 2008 Dr. Naim Hasani, Script; Road design, Prishtinë 2019 Road construction A to Z
Additional Literature:	<i>All literature in accordance with lectures!</i>
Course Plan:	
Week	Title of the Lecture
Week 1:	Introduction, History of traffic / road development,
Week 2:	Traffic planning
Week 3:	Road division,
Week 4:	Driving dynamics
Week 5:	Design of roads outside settlements
Week 6:	Design according to laws, instructions, technical regulations
Week 7:	Project elements in planimetry,
Week 8:	Elements in the cross section of roads
Week 9:	Design elements in the longitudinal profile,
Week 10:	Design of ancillary facilities on roads.
Week 11:	Design of roads within settlements
Week 12:	Construction technology of road constructions
Week 13:	Impact of traffic on the environment,
Week 14:	Workshop insurance
Week 15:	Control of material and works, Technical acceptance of works

Academic Policies and Rules of Civility:
<p>Rules of conduct: Regular attendance during lectures and exercises is compulsory, Following up general faculty ruling and peace, Turning of mobile phones during classes, Entering in to the classroom on time, The student has no right to be absent more than 3 class hours during the semester without justification. Preparation and conducting the case studies in line with theoretical knowledge and presentation the findings in class. Students who have prepared and presented during the classes and pass the exam complete the subject duties and will be granted with passing grade.</p>