

ROAD NETWORKS I.

2022/23. 1. SEMESTER

BASIC DATA			
COURSE NAME	Közlekedésépítés I.		Road Networks I.
COURSE CODE(S)	YCRKÖÉ1BNF		
DEPARTMENT	Óbuda University Ybl Miklós Faculty of Architecture and Civil Engineering, Institute of Architecture		
PROGRAMME, TRAINING	BSc		full time, Erasmus
COURSE INSTRUCTOR (Instructor managing the course)	Gergely Szücs, Engineering teacher	szucs.gergely@ybl.uni-obuda.hu	consulting hours: Tue - 12:00-13:00
INSTRUCTORS, LECTURERS	Gergely Szücs, Engineering teacher	szucs.gergely@ybl.uni-obuda.hu	
PRE-REQUIREMENT	1 semester Surveying and Earthworks		
HOURS OF LECTURES (WEEKLY)	1 hours		
HOURS OF CLASSROOM PRACTICE/ LAB EXERCISE (WEEKLY)	2 hours		
FIELD AND TRAINING (WEEKLY)	0 hours		
ASSIGNMENT	Midterm assignment and exam		
CREDITS	6 credits (ECTS)		
AIM OF THE COURSE, BRIEF DESCRIPTION	The aim of the course is to provide an overview of the basics of road planning.		
RECOMMENDED LITERATURE	https://en.wikipedia.org/wiki/Geometric_design_of_roads		
REQUIRED TECHNICAL APPLIANCES/ SOFTWARE	The use of mobile phones is prohibited during the examinations. In the case of online education: Contact: Neptun, E-learning and E-mail. Education materials: According to E-learning Lessons: E-learning Own laptop is suggested.		

SCHEDULE OF THE SEMESTER

WEEK	LECTURE	LECTURER	FORM OF PRACTICE	PROGRAM OF PRACTICE
1	Basics of the road networks	G. Szücs	in classroom	-
2	Road classes	G. Szücs	in classroom	Calculation of geomtery I.
3	Basics of the road geometry	G. Szücs	in classroom	Description of the task
4	Design of geometry	G. Szücs	in classroom	Consultation
5	Test I.	G. Szücs	in classroom	Consultation
6	Road Profile	G. Szücs	in classroom	Calculation of geomtery II.
7	Road Sections	G. Szücs	in classroom	Design of profile
8	City roads	G. Szücs	in classroom	Design of sections
9	Bicycle paths	G. Szücs	in classroom	Consultation
10	Test II.	G. Szücs	in classroom	Consultation
11	Asphalt pavements	G. Szücs	in classroom	Consultation
12	Concrete pavements	G. Szücs	in classroom	Consultation
13	Construction of roads	G. Szücs	in classroom	Consultation
14	Deadline of the task	G. Szücs	in classroom	-

REQUIREMENTS FOR THE COMPLETION OF THE SEMESTER		
MID-SEMESTER TASKS AND TESTS		
Requirement	Description	Value (point, %, grade)
PARTICIPATION AT LESSONS	The practice lessons can be missed up to three times (see § 46 ETVSZ)	-
IN CASE OF ABSENCE FROM LESSONS AND EXAMINATIONS	Absence is considered to be justified with a medical certificate presented.	-
Short description of the TASK	They needs to be planned a short new road based on what they have learned in lessons.	25%
Pre-exam / exam	Based on the lessons learned during the semester in writing.	75%
TOTAL		100%

SEMESTER CLOSING REQUIREMENTS					
CONDITIONS FOR OBTAINING A SIGNATURE	The desing task of the semester is done it well and they go through the two tests.				
SEMESTER GRADE	0-59 Point	60-69	70-79	80-89	90-115
	1 - FAIL	2 - PASS	3 - SATISFACTORY	4 - GOOD	5 - EXCELLENT
CONDITIONS FOR OBTAINING AN OFFERED GRADE	-				
	-		-		
	-		-		
CONDITIONS FOR ADMISSION TO THE EXAM	Only students who have already obtained a signature can take the exam. During the exam period, the student has to register for the exam in the Neptun. The test is a 60-minute written test with a total value of 40 points.				
EXAM GRADE	0-59 Point	60-69	70-79	80-89	90-115
	1 - FAIL	2 - PASS	3 - SATISFACTORY	4 - GOOD	5 - EXCELLENT