

STUDY PROGRAM ROAD TRAFFIC - MASTER

Year I – Semester I (VII)

	<i>Subject</i>	<i>C/E</i>	<i>H/week</i>		<i>ECTS</i>	<i>Lecturer</i>
			<i>L</i>	<i>Ex</i>		
1	TRAFFIC DESIGN	C	2	2	5.5	
2	URBAN MOBILITY	C	2	2	5.0	
3	TRAFFIC SAFETY II	C	2	2	5.5	
4	TRAFFIC SIGNALS	C	2	2	5.0	
5	AUTOMATIC CONTROL IN TRAFFIC AND TRANSPORT	C	2	2	5.0	
6	OPERATIONS RESEARCH	E	2	2	4.0	
6	ROAD TELEMATICS	E	2	2	4.0	
6	LOAD AND UNLOAD MECHANISATION	E	2	1	4.0	
6	TRAFFIC AND ENVIRONMENT	E	2	2	4.0	
	ECTS/Semester				30	

C-compulsory, E- elective, L-lectures, Ex- exercises.

Year I – Semester II (VIII)

	<i>Subject</i>	<i>C/E</i>	<i>H/Week</i>		<i>ECTS</i>	<i>Lecturer</i>
			<i>L</i>	<i>Ex</i>		
1	LOGISTICS IN TRAFFIC	C	2	2	6.0	
2	THEORY OF VEHICLE MOVEMENT	C	2	2	6.5	
3	ANALYSIS AND MODELING OF TRANSPORTATION SYSTEMS	C	2	2	6.0	
4	PARKING AND TERMINAL STATIONS	C	2	2	6.5	
5	TRANSPORTATION TECHNOLOGY	E	2	2	5.0	
5	SIMULATIONS IN TRAFFIC	E	2	2	5.0	
5	ARTIFICIAL INTELLIGENCE IN TRAFFIC AND TRANSPORT	E	2	2	5.0	
5	QUEUING THEORY IN TRAFFIC ENGINEERING	E	2	2	5.0	
	ECTS/Semester				30	

C-compulsory, E- elective, L-lectures, Ex- exercises.

Year II - Semester III (IX)

	Subject	C/E	H/Week		ECTS	Lecturer
			L	Ex		
1	TECHNICAL EXPERTISE IN TRAFFIC	C	2	2	5.5	
2	CAPACITY OF ROAD INFRASTRUCTURE	C	2	2	5.0	
3	ROAD SAFETY AUDIT	C	2	2	5.5	
4	INFORMATION SYSTEMS OF NETWORK OPERATORS	C	2	2	5.0	
5	TECHNOLOGY OF TRANSPORT OF PASSENGERS IN ROAD TRAFFIC	C	2	2	5.0	
6	OPTIMIZATION OF TRANSPORT PROCESSES	E	2	1	4.0	
6	METHODS OF SCIENTIFIC AND RESEARCH WORK	E	2	1	4.0	
6	MANAGEMENT IN TRAFFIC AND TRANSPORT	E	2	1	4.0	
	ECTS/Semester				30	

C-compulsory, E- elective, L-lectures, Ex- exercises.

Year II – Semester IV (X)

	C/E	Subjects	H/Week		ECTS	Lecturer
			L	Ex		
		Professional internship			10	
		Master diploma thesis			20	