

	Code	Title	SE M	Active lectures				Ot h.	EC TS	Mandator y/Elective	Course type
				L	E	A dd	IRP				
First year											
1.	20.OM1	Mathematics 1	1	2	2	-	-	-	7	Mandatory	AG
2.	20.OM2	Mechanics 1	1	2	2	-	-	-	5	Mandatory	TM
3.	20.OM3	Engineering materials	1	2	2	-	-	-	6	Mandatory	AG
4.	20.OE4	Programming 1	1	2	2	-	-	-	4	Mandatory	PA
5.	20.OM4	Constructive geometry	1	2	2	-	-	-	6	Mandatory	AG
Elective set 1 (take 1 out of 2)											
6.	20.OM5 6	English language 1	1	2	0	-	-	-	2	Elective	AG
	20.OE75	Russian language 1	1	2	0	-	-	-	2	Elective	AG
7.	20.OM5	Physics and measurements	2	2	2	-	-	-	6	Mandatory	TM
8.	20.OM6	Mathematics 2	2	2	2	-	-	-	6	Mandatory	AG
9.	20.OM7	Resistance of materials 1	2	2	2	-	-	-	5	Mandatory	SP
10.	20.OM8	Engineering graphics	2	2	2	-	-	-	5	Mandatory	AG
11.	20.OM9	Mechanics 2	2	2	2	-	-	-	6	Mandatory	TM
Elective set 2 (take 1 out of 2)											
12.	20.OM5 7	English language 2	2	2	0	-	-	-	2	Elective	AG
	20.EO79	Russian language 2	2	2	0	-	-	-	2	Elective	AG
Total lectures (lectures/laboratory exercises + additional lectures/other activities) and credits			44						60		
Total hours of active teaching per year			44								
SECOND YEAR											
13.	20.OM1 0	Mechanics 3	3	2	2	-	-	-	6	Mandatory	TM
14.	20.OM1 1	Mechanical elements	3	2	2	-	-	-	6	Mandatory	TM
15.	20.OM1 2	Thermodynamics	3	2	2	-	-	-	6	Mandatory	TM
16.	20.OM1 3	Resistance of materials 2	3	2	2	-	-	-	6	Mandatory	SP
17.	20.OG9	Mechanics of fluids	3	2	2	-	-	-	5	Mandatory	PA
18.	20.OM1 4	Processing technology	4	2	2	-	-	-	6	Mandatory	TM
19.	20.OM1 5	Applicative software in engineering	4	2	2	-	-	-	5	Mandatory	TM
20.	20.OM1 7	Electrical engineering with electronics	4	2	2	-	-	-	4	Mandatory	SP
21.	20.OM1 8	Engineering tools	4	2	2	-	-	-	5	Mandatory	SP
22.	20.OM1 9	Introduction to traffic and transport	4	2	2	-	-	-	5	Mandatory	SP
Elective set 3 (take 1 out of 3)											
23.	23.OM1 27	Traffic psychology - driver behaviour	4	2	2	-	-	-	6	Elective	SP
	23.OM1 31	Theory of Traffic Flow	4	2	2	-	-	-	6	Elective	SP
	23.OM	Introduction to Sustainable Transport Development (NEW COURSE)	4	2	2	-	-	-	-	Elective	SP
Total lectures (lectures/laboratory exercises + additional lectures/other activities) and credits			44						60		
Total hours of active teaching per year			44								
THIRD YEAR											
24.	20.OM2 2	Traffic safety	5	2	2	-	-	-	6	Mandatory	SP
Elective set 4 (take 1 out of 3)											
25.	20.OM1 48	Urbanism and spatial planning	5	2	2	-	-	-	6	Elective	NS

	20.OM9 0	Motor vehicles	5	2	2	-	-	-	6	Elective	PA
	23.OM1 29	Impact of traffic on the environment	5	2	2	-	-	-	6	Elective	SP
Elective set 5 (take 1 out of 3)											
26.	20.OM1 01	Noise and Vibrations	5	3	2	-	-	-	7	Elective	SP
	20.OM1 16	Organisation of traffic	5	3	3	-	-	-	7	Elective	SP
	23.OM1 28	Fundamentals of road traffic	5	3	3	-	-	-	7	Elective	SP
Elective set 6 (take 1 out of 2)											
27.	20.OM3 6	Transport management (MODERNISATION)	5	2	2	-	-	-	6	Elective	SP
	23.OM1 30	Logistics and supply chains	5	2	2	-	-	-	6	Elective	PA
Elective set 7 (take 1 out of 2)											
28.	20.OM2 3	Internal combustion engines	5	2	2	-	-	-	6	Elective	PA
	20.OM2 4	Regulation of traffic flows	5	2	2	-	-	-	6	Elective	SP
29.	23.OM6 3	Traffic regulations	6	2	2	-	-	-	5	Mandatory	SP
30.	20.OM2 7	Transport characteristics of goods	6	2	2	-	-	-	6	Mandatory	SP
Elective set 8 (take 1 out of 2)											
31.	20.OM1 49	Transport networks	6	2	2	-	-	-	6	Elective	TM
	20.OM9 3	Traffic infrastructure systems	6	2	2	-	-	-	6	Elective	SP
Elective set 9 (take 1 out of 2)											
32.	20.OM6	Dynamics of vehicles	6	2	2	-	-	-	6	Elective	TM
	20.OM9 2	Analysis and methods in traffic safety	6	2	2	-	-	-	6	Elective	PA
Elective set 10 (take 1 out of 2)											
33.	23.OM1 37	Traffic delinquency	6	2	2	-	-	-	6	Elective	PA
	23.OM1 38	Prevention of traffic accidents	6	2	2	-	-	-	6	Elective	PA
Total lectures (lectures/laboratory exercises + additional lectures/other activities) and credits			41-42						60		
Total hours of active teaching per year			41-42								
FOURTH YEAR											
Elective set 11 (take 1 out of 2)											
34.	20.OM1 14	Human factor in traffic accidents	7	2	2	-	-	-	6	Elective	PA
	20.OM8 9	Technical regulations for vehicles and certification	7	2	2	-	-	-	6	Elective	TM
Elective set 12 (take 1 out of 3)											
35.	20.OM1 15	Road as a factor of traffic safety	7	3	3	-	-	-	7	Elective	PA
	23.OM1 41	Regulations in the field of transport of dangerous goods	7	3	3	-	-	-	7	Elective	PA
	36.OM	Sustainable urban mobility (NEW COURSE)	7	3	3	-	-	-	7	Elective	PA
Elective set 13 (take 1 out of 2)											
36.	20.OM4 4	Traffic and environment	7	3	2	-	-	-	7	Elective	PA
	20.OM4 5	Traffic Accident Investigation	7	3	2	-	-	-	7	Elective	PA
	23.OM1 34	Logistics centres	7	3	2	-	-	-	7	Elective	SP
Elective set 14 (take 1 out of 3)											
37.	37.OM	GIS for traffic and transportation (NEW COURSE)	7	2	3	-	-	-	6	Elective	PA

	23.OM1 32	Information systems and technologies in traffic	7	2	3	-	-	-	6	Elective	PA
	23.OM1 33	Databases in Traffic Engineering	7	2	3	-	-	-	6	Elective	PA
38.	23.OM1 42	Professional practice	7	-	-	-	-	6	3	Mandatory	PA
Elective set 15 (take 1 out of 2)											
39.	20.OM4 6	Transportation of dangerous material	8	3	2	-	-	-	5	Elective	PA
	20.OM1 20	Vehicle technical diagnostics and servicing	8	3	2	-	-	-	5	Elective	PA
Elective set 16 (take 1 out of 2)											
40.	23.OM1 35	Traffic planning (MODERNISATION)	8	3	1	-	-	-	5	Elective	SP
	23.OM1 36	Parking and public garages	8	3	1	-	-	-	5	Elective	PA
Elective set 17 (take 1 out of 2)											
41.	23.OM1 39	Intermodal transport	8	2	2	-	-	-	5	Elective	PA
	20.OM1 17	Technology of transport	8	2	2	-	-	-	5	Elective	PA
Elective set 18 (take 1 out of 2)											
42.	23.OM1 40	Capacities of roads	8	2	2	-	-	-	6	Elective	PA
	20.OM2 5	Road and urban public transport	8	2	2	-	-	-	6	Elective	PA
43.	23.OM1 43	Study research work on the theoretical basis of the graduation thesis	8	-	-	-	5	-	5	Mandatory	SP
44.	23.OM1 44	Graduation thesis - preparation and defense	8	-	-	-	-	5	5	Mandatory	SP
Total lectures (lectures/laboratory exercises + additional lectures/other activities) and credits			42						60		
Total hours of active teaching per year			53								
Total hours of active lectures, other lectures, and credits for all years of study			182-183						240		
Note: AO- Academic General, TM- Theoretical-Methodological, SP- Scientific-Professional, PA- Professional-Applicative											