

Annex 2

(see § 6, para. 5)

Study schedule for full-time studies

including type and scope of the courses in hours per week (SWS) as well as required academic work, the type, scope and design of which can be found in the module descriptions

Key:

* alternative modules worth a total of 55 credit points

** modules worth least 30 credit points

LP Credit points

S Seminar

M Mobility window

Ü Practical

PL Graded academic work

V Lecture

Module number	Module name	1 st semester	2 nd semester	3 rd semester (M)	4 th semester	CP
		V/Ü/S	V/Ü/S	V/Ü/S	V/Ü/S	
Compulsory field						
VW-MOBS-01-SP	Mobility System Planning and Research	3/1/0 PL				5
VW-MOBS-02-SP	Human Behavior and Environmental Effects in Transportation	4/0/0 PL				5
VW-MOBS-03-SP	Design and Operation in Public Transportation	2/2/0 PL				5
VW-MOBS-04-RR	Road Design and Pavements	4/1/0 PL				5
VW-MOBS-05-DM	Data and Models in Transport Planning	2/2/0 PL				5
VW-MOBS-06	Research Task in Mobility Systems			0/0/2 PL		10
					Master's thesis	22
					Colloquium	8
Elective compulsory field*						
VW-MOBS-10-SP**	Urban Mobility Workshop Basics		1/1/0 PL			5
VW-MOBS-11-SP**	Urban Mobility Workshop Advanced			1/0/0 PL		5

Module number	Module name	1 st semester	2 nd semester	3 rd semester (M)	4 th semester	CP
		V/Ü/S	V/Ü/S	V/Ü/S	V/Ü/S	
VW-MOBS-15-SP**	Scenarios for Sustainable Mobility		2/0/2 PL			5
VW-MOBS-20-SP**	Basics in Psychology and Behavioral Economics	0/0/2 PL				5
VW-MOBS-25-SP**	Cost-Benefit Evaluation of Infrastructure Projects and Traffic Law			4/0/0 PL		5
VW-MOBS-26-SP**	Urbanism		2/2/0 PL			5
VW-MOBS-30-SP**	Management of Public Transport Systems and Services		2/2/0 PL			5
VW-MOBS-35-SP**	Railway Operation		2.5/1.5/0.5 PL			5
VW-MOBS-40-RR**	Urban Engineering and Road Drainage Systems		3/1/0 PL			5
VW-MOBS-45-RR**	Road Traffic Safety		2/1/0 PL			5
VW-MOBS-50-RR**	Road User Behavior and Safety		0/0/4 PL			5
VW-MOBS-55-RR**	Rail Design		3/1/0 PL			5
VW-MOBS-60-RR**	Fundamentals of Traffic System Dynamics and Control	3/1/0 PL				5
VW-MOBS-61-RR**	Advanced Traffic System Dynamics and Control		3/1/0 PL			5
VW-MOBS-65-DM**	Agent-based Modeling in Transportation		2/2/0 PL			5
VW-MOBS-70-DM**	Methods in Data Analytics	2/2/0 PL				5
VW-MOBS-71-DM**	Advanced Methods in Data Analytics		2/2/0 PL			5
VW-MOBS-75-DM**	Transport Network Optimization with Emerging Data for Ethical and Sustainable Applications		3/0/0 PL			5

Module number	Module name	1 st semester	2 nd semester	3 rd semester (M)	4 th semester	CP
		V/Ü/S	V/Ü/S	V/Ü/S	V/Ü/S	
VW-MOBS-82-DM**	Data Driven Statistics		2/0/0 PL			5
VW-MOBS-90-DM**	Fundamentals of Geoinformatics	2/2/0 2xPL				5
VW-MOBS-91-DM**	GIS and Geodata Bases		0.5/1.5/2 PL			5
VW-MOBS-116-SP	Advanced Tools and Methods of Transportation Ecology		0/0/4 PL			5
VW-MOBS-117-SP	Analysis of Vehicle Emissions and Air Pollution			0/0/4 PL		5
VW-MOBS-118a-SP	Data Collection and Evaluation Methods for Bicycle Planning		0/0/4 PL			5
VW-MOBS-119-SP	The nexus of urban air pollution, transport, and policy			2/0/2 PL		5
VW-MOBS-121-SP	Advanced Issues in Psychology and Behavioral Economics		0/0/2 PL			5
VW-MOBS-122-SP	Light and Lighting in Transportation Systems		2/0/2 PL			5
VW-MOBS-127-SP	Exercises and Readings in Transport Policy in an Academic Context			0/0/2 PL		5
VW-MOBS-141-RR	Planning Process and Environmental Protection in Road Design			2/1/1 PL		5
VW-MOBS-142-RR	Building Information Modeling for Transportation Infrastructure		2/2/0 PL			5
VW-MOBS-180-DM	Theoretical Multivariate Statistics	2/2/0 PL				5
VW-MOBS-181-DM	Applied Multivariate Statistics		2/2/0 PL			5
VW-MOBS-185-DM	Algorithms and Traffic Networks	1/3/0 PL				5
VW-MOBS-186-DM	Decision Support in Transportation Logistics		2/2/0 PL			5
VW-MOBS-192-DM	Geodata Infrastructures			2/2/0 PL		5

Module number	Module name	1 st semester	2 nd semester	3 rd semester (M)	4 th semester	CP
		V/Ü/S	V/Ü/S	V/Ü/S	V/Ü/S	
VW-MOBS-193-DM	Geoinformation Services			0/0/2 PL		5
VW-MOBS-195-DM	Sensor Technology in Transport Systems			2/2/0 PL		5
VW-MOBS-200a	Vocational Internship in Mobility Systems			0/0/0 At least 275 hours of internship PL		10
CP		30	30	30	30	120