

Anlage 2
(zu § 6 Absatz 5)
Studienablaufplan für das Vollzeitstudium

mit Art und Umfang der Lehrveranstaltungen in SWS sowie erforderlichen Leistungen, deren Art, Umfang und Ausgestaltung den Modulbeschreibungen zu entnehmen sind

Legende:

* alternativ Module im Umfang von insgesamt 55 Leistungspunkten

** Module im Umfang von mindestens 30 Leistungspunkten

LP Leistungspunkte

M Mobilitätsfenster

PL Prüfungsleistung

S Seminar

Ü Übung

V Vorlesung

Modulnummer	Modulname	1. Semester	2. Semester	3. Semester (M)	4. Semester	LP
		V/Ü/S	V/Ü/S	V/Ü/S	V/Ü/S	
Pflichtbereich						
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
					Masterarbeit	22
					Kolloquium	8
Wahlpflichtbereich*						
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

Modulnummer	Modulname	1. Semester	2. Semester	3. Semester (M)	4. Semester	LP
		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 Modelling 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

Modulnummer	Modulname	1. Semester	2. Semester	3. Semester (M)	4. Semester	LP
		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

Modulnummer	Modulname	1. Semester	2. Semester	3. Semester (M)	4. Semester	LP
		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 Mindestens 275 Stunden Praktikum PL		10
LP		30	30	30	30	120