

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 65 Leistungspunkten

** höchstens 2 Module wählbar

LP Leistungspunkte

PL Prüfungsleistung

SK Sprachkurs

V Vorlesung

M Mobilitätsfenster

PVL Prüfungsvorleistung

T Tutorium

P Praktikum

S Seminar

Ü Übung

Modulnummer	Modulname	1. Semester V/Ü/S/SK/P	2. Semester V/Ü/S/SK/P	3. Semester (M) V/Ü/S/SK/P	4. Semester V/Ü/S/SK/P	LP
Pflichtbereich						
VW-TEDS-10	Operations Research and Logistics	2/2/0/0/0 PL				5
VW-TEDS-20	Methods in Transport Policy	2/2/0/0/0 PL				5
VW-TEDS-30	Spatial Economics and the Environment	2/2/0/0/0 PL				5
VW-TEDS-40	Theoretical Multivariate Statistics	2/2/0/0/0 PL				5
VW-TEDS-50	Methods in Data Analytics	2/2/0/0/0 PL				5
					Masterarbeit	22
					Kolloquium	8
Wahlpflichtbereich*						
Es sind 4 Module zu wählen.						
VW-TEDS-11	Decision Support in Transportation Logistics		2/2/0/0/0 PL			5

Modulnummer	Modulname	1. Semester V/Ü/S/SK/P	2. Semester V/Ü/S/SK/P	3. Semester (M) V/Ü/S/SK/P	4. Semester V/Ü/S/SK/P	LP
VW-TEDS-12	Management of Public Transport Systems and Services		2/2/0/0/0 PL			5
VW-TEDS-21	Cost-Benefit Analysis in Transport		2/2/0/0/0 PL			5
VW-TEDS-22	Cost and Prices in Transport		2/2/0/0/0 PL			5
VW-TEDS-31	Empirical Research in Spatial and Environmental Economics		2/2/0/0/0 PL			5
VW-TEDS-32	Urban Economics		2/2/0/0/0 PL			5
VW-TEDS-41	Applied Multivariate Statistics		2/2/0/0/0 PL			5
VW-TEDS-42	Data-Driven Statistics		2/0/0/0/0 PL			5
VW-TEDS-51	Advanced Methods in Data Analytics		2/2/0/0/0 PL			5
VW-TEDS-52	Application of Data Analytics		0/0/2/0/0 PL			5
Es ist 1 Modul zu wählen.						
VW-TEDS-13	Research Task in Computational Logistics			0/0/2/0/0 PL		15
VW-TEDS-23	Research Task in Transport Policy			0/0/2/0/0 PL		15
VW-TEDS-33	Research Task in Spatial and Environmental Economics			0/0/2/0/0 PL		15
VW-TEDS-43	Research Task in Statistics			0/0/2/0/0 PL		15
VW-TEDS-53	Research Task in Data Analytics			0/0/2/0/0 PL		15

Modulnummer	Modulname	1. Semester V/Ü/S/SK/P	2. Semester V/Ü/S/SK/P	3. Semester (M) V/Ü/S/SK/P	4. Semester V/Ü/S/SK/P	LP
Es sind Module im Umfang von 30 Leistungspunkten zu wählen.						
VW-TEDS-09	Algorithms and Traffic Networks	1/3/0/0/0 PL				5
VW-TEDS-24	Current Topics in Transport Policy			0/0/2/0/0 PL		5
VW-TEDS-25	Cost-Benefit Evaluation of Infrastructure Projects and Traffic Law			4/0/0/0/0 PL		5
VW-TEDS-26	Exercises and Readings in Transport Policy in an Academic Context	0/0/2/0/0 PL				5
VW-TEDS-44	Methods in Transportation Econometrics and Statistics	2/2/0/0/0 PL				5
VW-TEDS-45	Traffic Flow Dynamics and Simulation		2/2/0/0/0 PL			5
VW-TEDS-PRAK	Vocational Internship in Transportation Economics and Data Science			0/0/0/0/0 Mindestens 11 Wochen P PL		15
VW-TEDS-VIW-01	Mobility System Planning and Research	3/1/0/0/0 PL				5
VW-TEDS-VIW-02	Urban Mobility Workshop Basics		1/1/0/0/0 PL			5
VW-TEDS-VIW-03	Urban Mobility Workshop Advanced			1/0/0/0/0 PL		5
VW-TEDS-VIW-05	Data and Models in Transport Planning	2/2/0/0/0 PL				5
VW-TEDS-VIW-06	Agent-based Modelling in Transportation		2/2/0/0/0 PL			5
VW-TEDS-VIW-07	Transport Network Optimization with Emerging Data for Ethical and Sustainable Applications		3/0/0/0/0 PL			5
VW-TEDS-VIW-10	Human Behavior and Environmental Effects in Transportation	4/0/0/0/0 PL				5

Modulnummer	Modulname	1. Semester V/Ü/S/SK/P	2. Semester V/Ü/S/SK/P	3. Semester (M) V/Ü/S/SK/P	4. Semester V/Ü/S/SK/P	LP
VW-TEDS-VIW-11	Scenarios for Sustainable Mobility		2/0/2/0/0 PL			5
VW-TEDS-VIW-12	Advanced Tools and Methods of Transportation Ecology		0/0/4/0/0 PL			5
VW-TEDS-VIW-13	Analysis of Vehicle Emissions and Air Pollution			0/0/4/0/0 PL		5
VW-TEDS-VIW-14	Data Collection and Evaluation Methods for Bicycle Planning		0/0/4/0/0 PL			5
VW-TEDS-VIW-15	The nexus of urban air pollution, transport, and policy			2/0/2/0/0 PL		5
VW-TEDS-VIW-20	Basics in Psychology and Behavioral Economics	0/0/2/0/0 PL				5
VW-TEDS-VIW-21	Advanced Issues in Psychology and Behavioral Economics		0/0/2/0/0 PL			5
VW-TEDS-VIW-22	Light and Lighting in Transportation Systems		2/0/2/0/0 PL			5
VW-TEDS-VIW-30	Design and Management in Public Transportation	2/2/0/0/0 PL				5
VW-TEDS-VIW-40	Road Design and Pavements	4/1/0/0/0 PL				5
VW-TEDS-VIW-41	Urban Engineering and Road Drainage Systems		3/1/0/0/0 PL			5
VW-TEDS-VIW-42	Planning Process and Environmental Protection in Road Design			2/1/1/0/0 PL		5
VW-TEDS-VIW-43	Building Information Modeling for Transportation Infrastructure		2/2/0/0/0 PL			5
VW-TEDS-VIW-50	Road Traffic Safety		2/1/0/0/0 PL			5
VW-TEDS-VIW-51	Road User Behavior and Safety		0/0/4/0/0 PL			5
VW-TEDS-VIW-60	Rail Design		3/1/0/0/0 PL			5

Modulnummer	Modulname	1. Semester V/Ü/S/SK/P	2. Semester V/Ü/S/SK/P	3. Semester (M) V/Ü/S/SK/P	4. Semester V/Ü/S/SK/P	LP
VW-TEDS-VIW-61	Railway Operation		2,5/1,5/0,5/0/0 PL			5
VW-TEDS-VIW-63a	Market-oriented design of rail freight and passenger transportation			3/0/1/0/0 PL		5
VW-TEDS-VIW-70	Fundamentals of Traffic System Dynamics and Control	3/1/0/0/0 PL				5
VW-TEDS-VIW-71	Advanced Traffic System Dynamics and Control		3/1/0/0/0 PL			5
VW-TEDS-VIW-75	Sensor Technology in Transport Systems			2/2/0/0/0 PL		5
VW-TEDS-VIW-80	Fundamentals of Geoinformatics	2/2/0/0/0 2xPL				5
VW-TEDS-VIW-81	GIS and Geodata Bases		0,5/1,5/2/0/0 PL			5
VW-TEDS-VIW-82	Geodata Infrastructures			2/2/0/0/0 PL		5
VW-TEDS-VIW-83	Geoinformation Services			0/0/2/0/0 PL		5
VW-TEDS-VIW-92	Safety and Airline Management		3/1/0/0/0 PL			5
VW-TEDS-VIW-93a	Terminal Operations		3/1/0/0/0 PVL, PL			5
VW-TEDS-VIW-94	Flight Planning and Aircraft Operations			4/0,5/0/0/0,5 PL		5
VW-TEDS-VIW-95	CNS and tactical ATM			6/1/0/0/1 PL		10
VW-TEDS-BWL-11	Financing with Venture Capital		2/0/2/0/0 PL			10
VW-TEDS-BWL-12	Technology Management			0/0/2/0/0 PL		5
VW-TEDS-BWL-21a	Procurement Management			2/2/0/0/0 PL		5

Modulnummer	Modulname	1. Semester V/Ü/S/SK/P	2. Semester V/Ü/S/SK/P	3. Semester (M) V/Ü/S/SK/P	4. Semester V/Ü/S/SK/P	LP
VW-TEDS-BWL-31	Inventory Management			2/2/0/0/0 PL		5
VW-TEDS-BWL-32	Environment-Oriented Production Planning		2/2/0/0/0 PL			5
VW-TEDS-BWL-41	Relationship-Marketing			2/1/0/0/0 PL		5
VW-TEDS-BWL-51	Power System Economics			2/2/2/0/0 PL		10
VW-TEDS-VWL-11	Microeconomic Perspectives on Development Economics			2/1/0/0/0 PL		5
VW-TEDS-VWL-12	Introduction to Geographic Information Systems		2/1/0/0/0 PL			5
VW-TEDS-VWL-13	Current Topics in Empirical Economic Research			0/0/2/0/0 PL		5
VW-TEDS-VWL-21	Economics of Migration		2/1/0/0/0 PL			5
VW-TEDS-VWL-31	Development Economics		2/1/0/0/0 PL			5
VW-TEDS-VWL-32	Empirical Economics			2/0/0/0/0 1,5 T PL		5
VW-TEDS-VWL-41	Exchange Rates			2/1/0/0/0 PL		5
VW-TEDS-VWL-42	Financial Stability and Regulation of Financial Markets			2/0/0/0/0 PL		5
VW-TEDS-VWL-51	Computable General Equilibrium Analysis			2/2/0/0/0 PL		5
VW-TEDS-VWL-71	Theory of Taxation			2/1/0/0/0 PL		5
VW-TEDS-VWL-72	Economics of the Welfare State		2/1/0/0/0 PL			5
VW-TEDS-WIF-11	Basic Principles of Information Systems		2/2/0/0/0 PL			5

Modulnummer	Modulname	1. Semester V/Ü/S/SK/P	2. Semester V/Ü/S/SK/P	3. Semester (M) V/Ü/S/SK/P	4. Semester V/Ü/S/SK/P	LP
VW-TEDS-WIF-12	ERP-supported Business Processes			0/0/2/0/0 PL		5
VW-TEDS-WIF-51	Digital Business Engineering			1/0/2/0/0 PL		5
VW-TEDS-FFK-14	English C1 Academic Language Competencies**	0/0/0/4/0 PL				5
VW-TEDS-FFK-15	English C1 Professional Language Competencies**	0/0/0/4/0 PL				5
VW-TEDS-FFK-16	English C1 Professional Mobility**	0/0/0/4/0 PL				5
VW-TEDS-FFK-17	English C1 Academic Writing**	0/0/0/4/0 PL				5
VW-TEDS-FFK-18	English C1 Oral Communication**	0/0/0/4/0 PL				5
VW-TEDS-FFK-21	German A1**	0/0/0/4/0 PL				5
VW-TEDS-FFK-22	German A1.2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-23	German A2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-24	German A2.2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-25	German B1**	0/0/0/4/0 PL				5
VW-TEDS-FFK-26	German B1.2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-27	German B2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-28	German B2.2 Basics of Academic Language Competencies**	0/0/0/4/0 PL				5
VW-TEDS-FFK-29	German B2.2 Advanced Academic Language Competencies**	0/0/0/4/0 PL				5

Modulnummer	Modulname	1. Semester V/Ü/S/SK/P	2. Semester V/Ü/S/SK/P	3. Semester (M) V/Ü/S/SK/P	4. Semester V/Ü/S/SK/P	LP
VW-TEDS-FFK-31	French A1**	0/0/0/4/0 PL				5
VW-TEDS-FFK-32	French A2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-33	French B1**	0/0/0/4/0 PL				5
VW-TEDS-FFK-34	French B1.2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-35	French B1.2 Professional Mobility**		0/0/0/4/0 PL			5
VW-TEDS-FFK-36	French B1.2 Oral Communication**		0/0/0/4/0 PL			5
VW-TEDS-FFK-37	French B2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-38	French B2 Culture Studies, Social Studies, Regional Studies**	0/0/0/4/0 PL				5
VW-TEDS-FFK-39	French B2 Oral Communication**	0/0/0/4/0 PL				5
VW-TEDS-FFK-40	French B2 Academic Language Competencies**	0/0/0/4/0 PL				5
VW-TEDS-FFK-41	Spanish A1**	0/0/0/4/0 PL				5
VW-TEDS-FFK-42	Spanish A2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-43	Spanish B1**	0/0/0/4/0 PL				5
VW-TEDS-FFK-44	Spanish B1.2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-45	Spanish B1.2 Professional Mobility**		0/0/0/4/0 PL			5
VW-TEDS-FFK-46	Spanish B1.2 Oral Communication**	0/0/0/4/0 PL				5

Modulnummer	Modulname	1. Semester V/Ü/S/SK/P	2. Semester V/Ü/S/SK/P	3. Semester (M) V/Ü/S/SK/P	4. Semester V/Ü/S/SK/P	LP
VW-TEDS-FFK-47	Spanish B2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-48	Spanish B2 Oral Communication**	0/0/0/4/0 PL				5
VW-TEDS-FFK-49	Spanish B2 Basics of Academic Language Competencies**	0/0/0/4/0 PL				5
VW-TEDS-FFK-51	Portuguese A1**	0/0/0/4/0 PL				5
VW-TEDS-FFK-52	Portuguese A2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-61	Italian A1**	0/0/0/4/0 PL				5
VW-TEDS-FFK-62	Italian A2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-71	Russian A1**	0/0/0/4/0 PL				5
VW-TEDS-FFK-72	Russian A2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-81	Czech A1**	0/0/0/4/0 PL				5
VW-TEDS-FFK-82	Czech A2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-86	Polish A1**	0/0/0/4/0 PL				5
VW-TEDS-FFK-87	Polish A2**	0/0/0/2/0	0/0/0/2/0 PL			5
VW-TEDS-FFK-91	Swedish A1**	0/0/0/4/0 PL				5
VW-TEDS-FFK-92	Swedish A2**	0/0/0/4/0 PL				5
VW-TEDS-FFK-96	Finnish A1**	0/0/0/2/0	0/0/0/2/0 PL			5

Modulnummer	Modulname	1. Semester V/Ü/S/SK/P	2. Semester V/Ü/S/SK/P	3. Semester (M) V/Ü/S/SK/P	4. Semester V/Ü/S/SK/P	LP
VW-TEDS-FFK-97	Finnish A2**	0/0/0/2/0	0/0/0/2/0 PL			5
LP		30	30	30	30	120