Study Line Traffic Control and Transport Planning

Valid from: SS 2022

Semester	Required Modules				Elective Modules																Semester
1	Interactions of Land-use and Transport	2 SWS/ 3 Cr BGU52018	Modeling and Control of Traffic Flow	Loder 6 SWS/ 9 Cr BGU56045	Urban Infrastructure Design	Glöckl/Keler 3 SWS/ 3 Cr ED150009	Urban Ropeways	Glöckl 2 SWS/ 3 Cr BGU56056	Project Traffic Engineering and Transport Planning	Metzger 2 SWS/ 3 Cr BV560022	Urban Development through Mobility	2 SWS/ 3 Cr AR30213	Planning and design of cycling facilities	Mowckwl 4 SWS/ 6 Cr BGU68013							**1**
	C: Interactions of Land-use and Transport	Wulfhorst	C1: Traffic Flow Theory (VI)	Bogenberger, Loder, Malcolm	C: Urban Infrastructure Design	Glöckl, Keler	C: Urban Ropeways	Bogenberger, Glöckl, Schönhofer	C: Project Traffic Engineering and Transport Planning	Metzger	C: Urban Development through Mobility	Thierstein, Wulfhorst	C1: Planning and design of cycling facilities-Lecture	Moreno Llorca Garcia							
			C2: Traffic Control Basics (VI)	Bogenberger, Sautter, Kessler									C2: Planning and design of cycling facilities-Seminar	Moreno Llorca Garcia							
2			Modeling and Control of Traffic Flow	Loder 6 SWS/ 9 Cr BGU56045	Modelling Tools and Practice Insight for Traffic Engineering	Dandl 5 SWS/ 6 Cr ED150005	Traffic Data Collection and Analysis	Spangler 3 SWS/ 3 Cr BGU56048	Autonomous Vehicles and Transportation Systems	Spangler 3 SWS/ 3 Cr BGU56055	Project Traffic Engineering and Transport Planning	Metzger 2 SWS/ 3 Cr BV560022	Public Transport Concepts, Planning and Operation	Tsakarestos 4 SWS/ 6 Cr BGU56057	Project Appraisal and Planning Processes in Transportation	Weikl 5 SWS/ 6 Cr BV520009	Urban und Regional Planning	2 SWS/ 3 Cr BV210013	Road Safety	6 SWS/ 6 Cr BGU68006	Mixed Methods for Mobility Data Research	4 SWS/ 6 Cr ED150004	**2**
			C3: Traffic Control-Extension (VI)	Bogenberger, Metzger, Niels	C1: Traffic Engi-neering and Trans-port Planning in Practice	Dandl	C: Traffic Data Collection and Analysis	Spangler	C: Autonomous Vehicles and Transportation Systems	Bogenberger, Spangler	C: Project Traffic Engineering and Transport Planning	Metzger	C: Public Transport Concepts, Planning and Operation	Tsakarestos	C1: Transport Economy and System Assessment (Lecture)	Weikl	C: Urban und Regional Planning	Wulfhorst	C1: Road Safety Fundamentals	Moeckel	C1: Quantitative Research Methods	Wulfhorst	
					C2: Macroscopic Transport Simulation Project	Tsakarestos									C2: Transport Economy and System Assessment (Exercise)	Fehn, Hamm					C2: Qualitative Research Methods	Wulfhorst	
					C3: Traffic Flow Simulation – Basics	Dandl									C3: Transportation Policies and Project Design	Duran Rodas	ITS-System Architectures &Applications	2 SWS/ 3 Cr BGU56034					
															C: ITS-System Architectures and Applications	Antoniou			C2: Advanced Road Safety Concepts	Antoniou			
3					Travel Behavior and Environmental Impacts	Tsakarestos 4 SWS/ 6 Cr BGU56058	Selected Topics in Traffic Engineering and Transport Planning	Dandl 2 SWS/ 3 Cr BGU56032	Project Traffic Engineering and Transport Planning	Metzger 2 SWS/ 3 Cr BV560022	Microscopic Traffic Simulation - Calibration and Dynamic Applications	Antoniou 5 SWS/ 6 Cr ED150002										**3**
					C1: Transport and the Environment	Tsakarestos	C1: Air Transportation	Plötner	C: Project Traffic Engineering and Transport Planning	Metzger	C1: Special Topics on Model Calibration	Antoniou										
							C2: Commercial Transport and Logistics	Kunze (LA)														
					C2: Travel Behavior	Moeckel					V2: Traffic Flow Simulation-Extension	Dandl, Amini										
4	Master's Thesis	6 months/ 30 Cr CW00MTB																			**4**
	Master's Thesis	Topic must be elected from one of the four specialization subjects																			