		Мо	dules	: "M	Sc. T	rans	porta	tion	Syst	e m s	'-FPSO	20211	August, 202		m: WS2122
Semester			R	e q	u i r	e d	m	o d	u I e	9 S				valia ii ol	Semesster
	Environmental	5 SWS/		Antoniou 4 SWS/ 6 Cr BGU70009	Infrastructure Planning	Lechner 5 SWS/ 6 Cr BV340009	Land-Use and Transport - Strategies and Models	Wulfhorst 4 SWS/ 6 Cr BV520010	Traffic Management	Kessler 4 SWS/ 6 Cr BV560024	Cross-Cutting Fundamentals and Methods	Antoniou 2 SWS/ 3 Cr BGU56038			
1 WS	C1: Transport and the Environment	Tsakarestos	C: Applied Statistics for Transportation Systems in Transport		C1: Kinematics and Dynamics of Driving	Lechner	C1: Transport Planning Models  C2: Interactions of Land-Use and Transport		C1: Traffic Flow Theory (LI)  C2: Traffic Control Basics	Bogenberger, ) Loder, Malcolm  Bogenberger, Sautter, Kessler	C1: Scientific Paper Writing C2: Intercultural Aspects of Transportation	de Vries Antoniou			1
	C2: Travel Behavior	Moeckel									Management				WS
										<u> </u>					
	Project Appraisal and Planning Processes in Transporation	Weikl 5 SWS/ 6 Cr BV520009		Tsakarestos 4 SWS/ 6 Cr BGU56057	Infrastructure Planning	Lechner 5 SWS/ 6 Cr BV340009									
	C1: Transport Economy and System Assessment (Lecture)	Weikl	C: Public Transport Concepts, Planning and Operation		C2: Infrastructure Design	Lechner									2 SS
	C2: Transport Economy and System Assessment (Exercise)	Fehn, Hamm													
	C3: Transporation Policies and Project Design	Wulfhorst													
3 WS	Project Seminar	3 SWS/ 12 Cr BGU70010													3 WS
	Project Seminar	Antoniou													
4 \$\$	Master's Thesis	6 Months/ 30 Cr BV00MTTS													4
	Master's Thesis														SS

Mo	odules "Transp	ortation Sy	stems" - FPS	O 20211 Au	gust, 2022
Semester 1 WS	Electi Students have	Semester  1  WS			
	Transportation Demand Management (Field of Study III)	Wulfhorst 6 SWS/ 6 Cr BV520002	Intelligent Transport Systems (ITS) (Field of Study II)	Niels 4 SWS/ 6 Cr BV560023	
2	C1: Modelling in Integrated Land-use and Transport Systems	Wulfhorst	C1: Traffic Control - Extension (VI)	Bogenberger, Metzger, Niels	2
SS	C2: Seminar	Wulfhorst	C2: ITS System  Architectures and Applications	Antoniou	SS
	GZ. Seriili di	Lechner			
	Road and Rail Design (Field of Study I)				
3 WS	C1: Road Design	Lechner			3 WS
	C2: Rail Design	Lechner			
4 SS					4 SS

Мо	d u l e	s "N	ISc.	Tra	n s p	o r t	a t i o	n S	y s t e	m s" -	FPSO	20211	August	, 2022		volid f	rom: WS2122
Semester						E I e	ct	i v	e m	o d	u I e	S				valid ii	Semester
1 WS	Computer Aided Traffic Engineering with Matlab	2 SWS/ 3 Cr BV610020 Neidhardt	Urban Ropeways	Glöckl 2 SWS/ 3 Cr BGU56056 Bogenberger, Glöckl	Accessibility Planning	2 SWS/ 3 Cr BGU52020 Wulfhorst											1 WS
2 SS	Construction of Traffic Infrastructure	3 SWS/ 3 Cr BV340008 Lechner	Instruments of Land Mobilisation		Traffic Control - Extension	Niels 2 SWS/ 3 Cr BV560006 Bogenberger, Metzger, Niels	Autonomous Vehicles and Transportation Systems	Spangler 3 SWS/ 3 Cr BGU56055 Bogenberger/ Spangler	Traffic Data - Collection and Analysis	Spangler 3 SWS/ 3 Cr BGU56048 Spangler	Mulitmodal and intermodal freight transport	4 SWS 6 Cr BGU70002 Antoniou	Optimization for Transportation Systems	4 SWS 6 Cr BGU70003 Antoniou	Geoinformation	4 SWS 6 Cr LRG3003 Meng	2 SS
	Urban Transpor- tation Systems: Operations Re- search&Emerging Mobility Techno- logies (C1, C2)	4 SWS 6 Cr BGU70008 Antoniou	Modeling of Integrated Land- use and Transport Systems	3 Cr	Evaluation of Transport Projects ad Policies	2 SWS/	Modelling of Transport- Related Emissions	2 SWS/ 3 Cr BGU52013 Wulfhorst	Visualization of Spatial Data in Transportation	2 SWS/ 3 Cr BGU52015 Wulfhorst	Urban and Regional Planning	2 SWS/ 3 Cr BV210013 Wulfhorst	Statistical Learning and Data Analytics for Transporation Systems	4 SWS 6 Cr BGU70006 Antoniou	Mixed Methods for Mobility Data Research (C1, C2)	D150004	
	Modelling Tools and Practice Insight for Traffic Engineering (C1, C2, C3)	Dandl 6 SWS/ 6 Cr ED150005, Dandl, Tsakarestos	Applied Transport Modelling	2 SWS/ 3 Cr BGU68007 Moeckel	Transportation Demand Management (C1, C2)	6 SWS/ 6 Cr BV520002 Wulfhorst	Professional Software Development	3 SWS 4 Cr BGU65006 Borrmann	What's cooking? Founding start-ups and unicorns in real time	8 SWS 12 Cr WI001278 Welpe	Intelligent Transport Systems (ITS) C1: Traffic Control Extension C2: ITS System Architectures and Applications	Niels 4 SWS/6 Cr BV560023 Bogenberger, Metzger, Niels, Antoniou	Road Safety	6 SWS 6 Cr BGU68006 Moeckel/Antoniou			
	Applied Transport Modeling with MATSim	4 SWS 6 Cr BGU68012 Moeckel	Applied Transport Planning in Developing Countries	2 SWS 3 Cr BGU68009 Moeckel	Advanced Parallel Computing and Solvers for Large Problems in Engi- neering (C1, C2)	3 SWS 5 Cr MW1746 Gee De/En	Politics for Ro-cket Scientists: An Introduction to Political Scien-ce for Non- Politi-cal Scientists (C1, C2)	POI 00011	Product Ergonomics (C1, C2) Deutsch Abhaltung auch im WS	3 SWS 5 Cr MW0101 Bengler	ITS-System Architectures and Applications	2 SWS/ 3 Cr BGU56034 Antoniou	Local Public Transport Strategy and Organization	3 SWS/ 3 Cr BV580013 Wulfhorst			
3 WS	Road and Rail Design (C1, C2)	6 SWS/ 6 Cr BV340019 Lechner	Rail Design	3 SWS/ 3 Cr BV340001 Lechner	Air Transport and	2 SWS/ 3 Cr BV340021 Lechner	Methods for Transportation	4 SWS/ 6 Cr BGU70004 Antoniou	Service Concepts and Operation Models for New Mobility Solutions for Mixed- Use Residential Developments	3 SWS/ 3 Cr	Object-Oriented Programming for Transport Engineers	4 SWS/ 6 Cr BGU68010 Moeckel	Microscopic Traffic Simulation - Calibration and Dynamic Applications (C1, C2)	Antoniou 5 SWS/ 6 Cr ED150002			3
	Transportation Economics	4 SWS/ 6 Cr BGU70005 Antoniou	Road Design	3 SWS/ 3 Cr BV340002 Lechner	Special Topics on Model Calibration	2 SWS/ 3 Cr BGU70007 Antoniou	Seminar	3 SWS/ 3 Cr BV520012 Wulfhorst	Computer Aided Traffic Engineering with Matlab	2 SWS/ 3 Cr BV610020 Neidhardt	Urban Infrastructure Design	Glöckl/Keler 3 SWS/ 3 Cr ED150009 Glöckl, Keler					ws
	Spatial Modelling: Tools to evaluate planning strategies	3 SWS/ 3 Cr BGU68001 Moeckel	Governance	3SWS/ 3 Cr BV560011 Wulfhorst	Urban Develop-ment through Mobility Deutsch/ Englisch (Abhaltung auch im SS)	2 SWS/ 3 Cr AR30213 Wulfhorst/ Thierstein	Local Public Transport Strategy and Organization	2 SWS/ 3 Cr BV 580013 Wulfhorst	Planning and Design of Cycling Facilities		Research Design: How to tackle a Master's Thesis	3 SWS/ 3 Cr BGU68002 Moeckel					
	Research Design: How to tackle a Master's Thesis	3 SWS/ 3 Cr BGU 68002 Moeckel															4 SS