

<b>Module description: Intermodality and Multimodality</b>	
<b>Module Code</b>	t.BA.VS.IMMO.19HS
<b>ECTS Credits</b>	4
<b>Language of Instruction/Examination</b>	German
<b>Organizational Unit</b>	INE
<b>Module Coordinator</b>	Thomas Sauter-Servaes
<b>Legal Framework</b>	The module description is part of the legal basis in addition to the general academic regulations. It is binding. During the first week of the semester a written and communicated supplement can specify the module description in more detail.
<b>Module Characteristic</b>	Type 2a  4 consecutive lecture lessons per semester week and class
<b>Module Description</b>	In future, the networking of means of transport in passenger and freight traffic will become much more important. The module gives an overview of the development paths and examines the topic of sharing using selected case studies.
<b>Module Content</b>	<p><b>Basics of intermodality and multimodality in passenger transport</b></p> <p><b>Multimodal platforms &amp; mobility service providers</b></p> <p><b>Mobility-as-a-Service (MaaS)</b></p> <p><b>Carsharing &amp; Ridesharing</b></p> <p><b>Ridehailing &amp; Ridepooling</b></p> <p><b>Bikesharing</b></p> <p><b>Innovative cooperation models</b></p> <p><b>Basics of combined road and rail freight transport (unaccompanied combined transport, rolling road, container transport, rail-road-water-air combinations)</b></p> <p><b>Infrastructures and their design, performance, processes: Terminals, port facilities, marshalling yards</b></p> <p><b>Transport chains, international traffic (technical obstacles, etc.)</b></p> <p><b>Strategic models (block trains, containerization, cycle slots, etc.)</b></p> <p><b>Operational planning</b></p> <p><b>Political guidelines</b></p>
<b>Prerequisite Knowledge</b>	

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<b>Learning Objectives (Competences)</b>	<b>Students...</b>		<b>Competencies</b>	<b>Taxonomies</b>	
	The students can carry out a structured market analysis and summarize it in a market study.		M, F, SO	K4, K5, K6	
	The students know the definitions, basics and essential implementation concepts in the field of inter- and multimodality.		F	K1, K2	
	The students know different sharing operating models and how to place different services in the market context.		F	K2	
	The students will be able to master the structure of an intermodal transport chain in freight and passenger transport and develop innovative solutions.		F, M	K3	
<b>Performance Assessment</b>	<b>End-of-module exam</b>	<b>Assessment</b>	<b>Length (min.)</b>	<b>Weighting</b>	<b>Form</b>
	written exam	Grade	90	60	acc. to module agreement
	<b>Performance assessment during the semester</b>	<b>Assessment</b>	<b>Length (min.)</b>	<b>Weighting</b>	<b>Form</b>
	report	Grade		40	acc. to module agreement
<b>Classroom Attendance Requirement</b>	None				
<b>Learning material</b>					
<b>Comments</b>					