Number of Module	Name of Module	Lecturer
VW-ATL-71a	Mobility System Planning and Research	Prof. Regine Gerike Regine.Gerike@tu-dresden.de
Qualification Aim	Students gain an overview of the complex interrelationships involved in mobility system planning, its procedures, and processes, incorporating collaborative and consensus-oriented approaches. They are proficient in the various tasks involved in the planning process and take into account the necessary integration aspects; they understand the interrelationships between regional planning, urban development planning, and integrated mobility system or transportation development planning; and they have the ability to analyze not only mobility and transportation demand but also transportation supply, to design action strategies and measures, and to evaluate the effects of planned measures.	
Content	The module covers the following topics: 1. Classification, principles, objectives, measures, and planning foundations of mobility system planning, 2. Functional organization of road networks, 3. Design of road traffic facilities, 4. Impact analyses and evaluation methods for traffic planning and engineering measures, 5. Understanding and influencing mobility behavior in interaction with spatial structures and transportation systems, and 6. Scientific research in mobility system planning.	
Teaching and Learning Methods	3 SWS lecture, 1 SWS tutorial, and independent study.	
Requirements for Participation	Basic knowledge of transportation planning at the bachelor's level is required.	
Usability	This module is one of 27 elective modules in the master’s degree program Air Transport and Logistics, which must be chosen according to § 32 paragraph 3 of the examination regulations.	
Voraussetzungen für die Vergabe von Leistungspunkten	Credit points are awarded upon passing the module exam. The module exam consists of a portfolio representing 60 hours of work. The exam is conducted in English.	
Credit Points and Grades	5 credit points can be acquired through the module. The module grade corresponds to the grade of the examination performance.	
Frequency of Module	The module is offered each academic year in the winter semester.	
Workload	The total workload is 150 hours.	
Duration of the Module	The module lasts one semester.	