Module number	Module name	Module coordinator
3012166	Road Planning 2	Dr.-Ing. Dirk Kemper kemper@isac.rwth-aachen.de
Learning goals	Independent design of road traffic facilities, taking into account advanced traffic theory concepts; Independent selection of concepts in road operations and traffic engineering; In-depth understanding of the relationships in road and planning law; Independent development of measures for the design to eliminate accident hotspots; Independent use of planning and alignment software.	
Content	Planning law; Planning approval; Environment (nature conservation, water and soil, pollutants, traffic noise); Design of RE (road engineering) plans; Road design; Drainage; Traffic psychology; Intersection design; Safety installations; Traffic signs and route guidance; Traffic light technology; Traffic safety (standards and methodology, accident investigations, evaluation of measures and network planning); Winter service; Maintenance service; Work zone safety; Collection of traffic data; Statistics; Traffic flow theory; Traffic control; Traffic information; Video detection; Driving simulator.	
Teaching and learning methods	3 SWS lectures, 1 SWS exercise per week, 1 SWS project work and selfstudy.	
Prerequisites	None	
(recommended) Requirements	-	
Language	German	
Applicability	Compulsory module in the Master's program Transport Engineering and Mobility.	
Requirements for earning credit points	Graded written exam. Prerequisite for participation in the written exam is a passed project work. Within the scope of the course, points can be acquired through voluntary submissions, which can be creditet to the extent of a maximum of 20% of the written exam. The exact criteria for the acquisition of bonus points are specified in the CMS.	
Credit points and grades	8 ECTS Credits	
Module frequency	The module is offered every academic year in winter semester.	
Workload	The total workload is 240 hours.	

| Module duration | The module lasts one semester. |