

<i>Module</i>	<i>Unit</i>	<i>Semester</i>	<i>CPs/SWS</i>	<i>Language</i>
PB27 Traffic 2	PB27-1 Traffic Planning and Engineering	P6   SS+WS	2/2	German English

<i>Lecturer</i>	Prof. Dr.-Ing. Schäfer
<i>Prerequisites</i>	Knowledge of the contents from PB12 Traffic 1, Acquiring the necessary admission to exams in the second section of studies according to the study and exam regulations § 28 (3) Structure of the study programme
<i>Teaching format</i>	<input checked="" type="checkbox"/> Lecture <input type="checkbox"/> Project work <input checked="" type="checkbox"/> Tutorial <input type="checkbox"/> Work in a team <input type="checkbox"/> Laboratory <input type="checkbox"/> Miscellaneous
<i>Learning objective (knowledge, skills, competencies)</i>	The students know the principles of drafts and traffic engineering for the planning of junctions. They have the skills to calculate simple fixed cycle controls for traffic light facilities and to conduct traffic engineering measurements according to the handbook for measuring roads. They know the principles of traffic management for roads and the principles of inner-city traffic planning. They have an overview of applied planning methods for inner-city street space design.
<i>Contents</i>	<ul style="list-style-type: none"> <li>▪ Intersections and junctions</li> <li>▪ Round-about</li> <li>▪ Motorway junctions</li> <li>▪ Traffic light management</li> <li>▪ Traffic engineering principles</li> <li>▪ Traffic engineering measurements of motorway cross-sections</li> <li>▪ Planning of inner-city traffic space</li> <li>▪ Access and service roads</li> <li>▪ Pedestrians and cyclists</li> <li>▪ Stationary traffic</li> <li>▪ Traffic management</li> <li>▪ Traffic routing and control</li> </ul>
<i>Exam prerequisite</i>	Part 1: Traffic light programme for a T-junction Part 2: Measurement of a motorway cross-section according to HBS
<i>Exam</i>	<input checked="" type="checkbox"/> Written exam <input type="checkbox"/> Oral exam <input type="checkbox"/> Coursework
<i>Workload</i>	Attendance: 30.0 h Preparation and post-processing: 19.0 h Coursework: 10.0 h Exam duration: 1.0 h
<i>Forms of media</i>	<input checked="" type="checkbox"/> Projector/Laptop <input checked="" type="checkbox"/> Blackboard <input type="checkbox"/> Script <input checked="" type="checkbox"/> Miscellaneous
<i>Literature</i>	Guidelines for the Design of Motorways (RAA 2008), Guidelines for the Construction of Country Roads (RAL 2012), Guidelines for Traffic Control Signals (RILSA 2010), Guidelines for the Construction of City Roads (RASt 2006), Handbook for the Measurement of Road Traffic Installations (HBS 2001/ 2009)
<i>Last changed</i>	30.10.2014