

<i>Module</i>	<i>Unit</i>	<i>Semester</i>	<i>CPs/SWS</i>	<i>Language</i>
PB23 Civil Engineering Project 1	PB23-1 Civil Engineering Project 1	P6   SS+WS	7/4	German English

<i>Lecturer</i>	Prof. Dr.-Ing. Glock Prof. Dr.-Ing. Schubert
<i>Prerequisites</i>	Passing the first part of their studies and at least 7 out of 9 of the modules PB08 to PB16 (see study and exam regulations § 26, para. 3 Project Management /Civil Engineering) Knowledge and skills from PB08 Construction Business, PB21 Structural Frameworks in Comparison and PB22-1 Special Section Structural Frameworks
<i>Teaching format</i>	<input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Project work <input type="checkbox"/> Tutorial <input checked="" type="checkbox"/> Work in a team <input type="checkbox"/> Laboratory <input type="checkbox"/> Miscellaneous
<i>Learning objective (knowledge, skills, competencies)</i>	See module targets
<i>Contents</i>	<p><b>Professional focus in construction management:</b></p> <ul style="list-style-type: none"> <li>▪ Device concept and performance assessment in earthworks</li> <li>▪ Quantity assessment</li> <li>▪ Operation scheduling, cycle planning, construction schedule, scheduling</li> <li>▪ Building site set-up</li> <li>▪ Selecting procedures for the carcass construction</li> <li>▪ Creation of a bill of quantities</li> <li>▪ Offer calculation of the complete carcass construction</li> </ul> <p><b>Professional focus in statics/construction:</b></p> <ul style="list-style-type: none"> <li>▪ Structure of structural framework for civil engineering projects in consideration of ancillary conditions from user specifications and the building process</li> <li>▪ Suitable selection of materials and construction methods</li> <li>▪ Measurement and structural design of construction elements</li> <li>▪ Calculating statics with the help of IT and checking results for plausibility with the help of manual calculations</li> <li>▪ Creating statics calculations including the appropriate reference and implementation plans (formwork and reinforcement plans)</li> </ul>
<i>Exam prerequisite</i>	No exam prerequisite
<i>Exam</i>	<input type="checkbox"/> Written exam <input type="checkbox"/> Oral exam <input checked="" type="checkbox"/> Coursework with colloquium submission
<i>Workload</i>	Attendance: 90.0 h (Project meetings, instructions and presentations) Independent project work: 117.0 h (Work in project teams) Colloquium submission: 3.0 h
<i>Forms of media</i>	<input checked="" type="checkbox"/> Projector/Laptop <input type="checkbox"/> Blackboard <input type="checkbox"/> Script <input checked="" type="checkbox"/> Miscellaneous
<i>Literature</i>	<i>Project-specific</i>
<i>Last changed</i>	30.01.2013