

Module	Unit	Semester	CPs/SWS	Language
PB08 Construction Business	PB08-1 Construction Technique	P2   SS+WS	2/2	English

Lecturer	Prof. Dr.-Ing. Glock
Prerequisite	Knowledge of the contents from PB03-2 Construction Management Principles
Teaching format	<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
Learning objectives (knowledge, skills, competencies)	The students gain an overview of essential areas of construction technique. They know the essential construction methods and can select suitable construction methods and machines. The students are able to create a work preparation concept for a building project. This lecture is held in English in order to take the internationalisation of the building industry into account.
Contents	<ul style="list-style-type: none"> <li>▪ Construction technique in construction management</li> <li>▪ Overview and categorisation of construction machines</li> <li>▪ Lifting devices in civil engineering</li> <li>▪ Introduction to selected construction machines and their areas of use</li> <li>▪ Construction methods in earthworks</li> <li>▪ Construction methods of reinforced concrete construction (formworks, reinforcing, concreting)</li> <li>▪ Bridge building methods</li> <li>▪ Method selection</li> </ul>
Exam prerequisite	No exam prerequisite
Exam	Module exam see module sheet
Workload	Attendance: 30.0 h Preparation and post-processing and exam preparation: 29.0 h Exam duration: 1.0 h (part of the module exam)
Forms of media	<input checked="" type="checkbox"/> Projector/Laptop <input checked="" type="checkbox"/> Blackboard <input checked="" type="checkbox"/> Script <input type="checkbox"/> Miscellaneous
Literature	<i>Gerster R., Kohl H.:</i> Baubetrieb in Beispielen, Werner Verlag 2003 <i>Bauer:</i> Baubetrieb 1 und 2 (2006) <i>Proporowitz:</i> Baubetrieb – Bauverfahren (2008) <i>Hoffmann M.:</i> Zahlentafeln für den baubetrieb (2006)  <i>List of Construction Equipment (BGL) 2007:</i> Bauverlag BvGmbH; (2007) <i>Sharon Heidenreich:</i> Englisch für Architekten und Bauingenieure(2011)
Last changed	30.01.2013