



Course title: Construction Project Management				
Identification number 610	ECTS credits 5	Duration of the course One Semester	Intended study semester 3rd Semester	Frequency of the course Each Semester
Workload (total) (h) 150		Contact time (h) 60	Self-Study (h) 90	
Language German		Planned Group Size 40 Students	Compulsory or Elective Compulsory	
Course coordinator Prof. Dr.-Ing. Christina Kunkel		Course(s) (with focus/module group if applicable) Construction Project Management		
1.	Qualification goals/competencies/learning outcomes After successfully completing the module, students will be able to • able to know the essential site equipment elements, basic calculation procedures for determining equipment performance and equipment costs, and typical construction and civil engineering process techniques • know typical process techniques used in civil engineering. • familiar with basic construction estimating			
2.	Content • Basic elements of construction: Occupational safety, work preparation, equipment: types, costs, services, list of construction equipment, Material types, Planning using Building Information Modelling – BIM • Earthworks methods • Methods of excavation support and special civil engineering • Concrete and reinforced concrete construction methods, e.g.: Formwork and scaffolding, Reinforcement work • Steel construction methods: Assembly technologies, Joining Technologies • Methods of demolition: Equipment and tools • The overall structure of the construction site: Site infrastructure and site logistics, planning and allocation of site equipment elements. • Basic principles of scheduling and risk management			

3.	Teaching Methods Lecture with integrated classroom exercises
4.	Participation Requirements Mathematics modules 1 and 2 should be passed.
5.	Regulations on Presence /
6.	Type and scope of audit Written examination in the form of a final exam (60 minutes) Academic achievements as a prerequisite for participation in the exam. /
7.	Requirements for the awarding of credit points (ECTS) Passed module final exam Construction Management
8.	Applicability of the course (in other degree programs) Bachelor's degree programs in International Civil Engineering
9.	Importance of the grade for the final grade 5/194
10.	Literature/ References • Lecture notes in OLAT.
11.	Other Information /
12.	Last Edited 03.10.25