

Module Handbook

TUK MODHB Homepage

Module A-6.7-M-2

Construction management (M, 3.0 LP)

Module Identification

Module Number	Module Name	CP (Effort)
A-6.7-M-2	<i>Construction management</i>	3.0 CP (90 h)

Basedata

CP, Effort	3.0 CP = 90 h
Position of the semester	1 Sem. in SuSe
Level	[2] Bachelor (Fundamentals)
Language	[DE] German
Module Manager	Körkemeyer, Karsten, Prof. Dr.-Ing. (PROF DEPT: BI)
Lecturers	Körkemeyer, Karsten, Prof. Dr.-Ing. (PROF DEPT: BI)
Area of study	[BI-BBW] Baubetrieb und Bauwirtschaft
Reference course of study	[BI-82.17-SG] B.Sc. Civil Engineering
Lifecycle-State	[NORM] Active

Courses "*Construction management*"

Type/SWS	Course Number	Choice in Module-Part	SL	PL	CP	Sem.
2V	A-BBW-BA6.35-K-2	P	TEILN	PL1	1.0	SuSe
2U	A-BBW-BA6.35U-K-2	P	TEILN	PL1	2.0	SuSe

- About [A-BBW-BA6.35-K-2]: Title: "VL - Baumanagement"; Presence-Time: 28 h; Self-Study: 2 h
- About [A-BBW-BA6.35-K-2]: The study achievement "[TEILN] continuous and active participation in the courses" must be obtained.
 - It is a prerequisite for the examination for PL1.

- About [A-BBW-BA6.35U-K-2]: Title: "Ü - Baumanagement"; Presence-Time: 28 h; Self-Study: 32 h
- About [A-BBW-BA6.35U-K-2]: The study achievement "[TEILN] continuous and active participation in the courses" must be obtained.
 - It is a prerequisite for the examination for PL1.

Examination achievement PL1

- Form of examination: **written exam (Klausur) (90-120 Min.)**
- Examination Frequency: each summer semester

Evaluation of grades

The grade of the module examination is also the module grade.

Contents

Part 1 (Awarding of contracts): The parties involved in the building project, their jobs and tasks as well as their contractual relationships; awarding of contracts (BGB – German Civil Code/VOB – German Construction Contract Procedures); Specification of services with bill of quantities or range of services (functional), mathematical, economic and technical checking and evaluation of offers. Validity period, conclusion of a contract, approval forms, rectification of defects, deadlines;

Class exercise: examples ABC analysis and cost-benefit analysis

Part 2 (project management): project organisation; organisation of structure and process; project management: construction process planning and control, cost planning and control, capacity planning and control, contract planning and control, management information systems;

Class exercise: exercise task for cost estimate; exercise tasks for scheduling (Gantt chart, V/Z-diagram, calculation methodology in network analysis)

Competencies / intended learning achievements

- Professional competence
- Methodological skills
- personal competence
- Social skills

Desired learning outcomes:

Students learn the legal, economic and technical basics of the award of construction performance contracts and the components of project management during building construction. They understand the influences of time, capacity and costs. They are able to prepare tender and contract documents for buildings and to calculate the costs for constructions. They are qualified to plan, supervise, monitor and manage the execution of constructions.

Literature

Bibliographical references are given during the course

Materials

Bibliographical references are given during the course Provision in an OLAT course

Registration

No registration required

Requirements for attendance of the module (informal)

none

Requirements for attendance of the module (formal)

None

References to Module / Module Number [A-6.7-M-2]

Course of Study	Section	Choice/Obligation
[A-82.13-SG] B.Sc. Architecture	[Compulsory Modules] Sechstes Semester	[P] Compulsory