

Course Manual WEB3

Web project

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– General information

Long name Web project

Approving CModule [WEB3_BaMT](#)

Responsible NN
Lehrbeauftragter

Valid from summer semester 2023

Level Bachelor

Semester in the year summer semester

Duration Semester

Hours in self-study 162

ECTS 6

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Literature

Requirements

- Knowledge and competence in the development of computer programs and in the handling of a programming language (e.g. Java, Python or Go) as well as common development tools (e.g. IDE) are required.
- Knowledge and skills in relation to basic algorithms (sorting, searching) and data structures (lists, sets, maps) are required.
- Knowledge and skills in IP-based computer networks and in the handling of HTTP are required.
- Knowledge and skills in the analysis, design, implementation, evaluation and operation of web-based backend systems/components are required.
- Knowledge and skills in the analysis, design, implementation, evaluation and operation of web-based frontend systems/components are required.

Language

English

Separate final exam

No

– Lecture / Exercises

Learning goals

Goal type	Description
Knowledge	<ul style="list-style-type: none">- analyse and structure tasks in the environment of web-based developments in a team, assign relevant standards and transfer them to system designs- analyze web-based system in a team using suitable tools and present results in a comprehensible way- planning and setting up a web-based system in a team
Skills	<ul style="list-style-type: none">- implement a web-based system in the team- analyze a web-based system in a team using suitable tools and present results in a comprehensible way- planning and setting up a web-based system in a team- assess and analyze the performance of the developed web-based system in the team- derive information from original English sources and standards- time management- Project work in a team

Expenditure classroom teaching

Type	Attendance (h/Wk.)
Project	1
Tutorial (voluntary)	0

Special requirements

none

Accompanying material none

Separate exam Yes

Separate exam

Exam Type EN Projektaufgabe im Team bearbeiten (z.B. im Praktikum)

Details The progress of the project as well as the project results will be presented by the team in several appointments. In addition, a written documentation of the project has to be provided.

The project result itself is evaluated with regard to its complexity and target fulfilment as well as professionalism in planning, implementation and result.

Minimum standard

- project planning documents
- presentations on the progress of the project
- demonstration of the running web system
- written documentation of the project
- delivery of the developed source texts and development artifacts of the web system

