Technology
Arts Sciences
TH Köln

Course
WEB3 - Web project

^ General information

Long name	Web project
Approving CModule	WEB3_BaMT
Responsible	NN Lehrbeauftragter
Level	Bachelor
Semester in the year	summer semester
Duration	Semester
Hours in self-study	162
ECTS	6
Professors	Prof. Dr.-Ing. Luigi Lo Iacono ehemaliger Professor Fakultät IME
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

^ Project

Learning goals

Knowledge

- 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

- 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

Separate exam

Exam Type
working on projects assignment with your team e.g. in a lab)

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