

Submodule MIN-306-01 Master Project

Subheading	(MIN-MSPR)
Person in Charge	Dunkel, Jürgen, Prof. Dr.
Language of Instruction	by agreement
Curriculum Allocation	MIN
Course Type, Contact Hours per Week	Project, 6 SWS
ECTS Credits	12
Contact Hours / Independent Study Hours	68 h / 112 h
Semester	3
Suggestions for Independent Study	see bibliography
Recommended Prerequisites	none
Examination	experimental work
Group Size	10

Learning Outcomes

Analytical skills: Ability to independently analyze the given problem using scientific methods and findings
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Design/realization skills: Ability to develop solution strategies and implement them using the skills acquired
Technological skills: Ability to combine knowledge from different areas and use it for a specific purpose
Methodological skills: Ability to use different innovative methods to solve practical problems
Project management skills: Ability to plan projects, set up an organizational structure and to steer projects to reach the desired goal. Risk management
Social skills: Use of conflict-solving strategies

Content

The Master project focuses on dealing with a complex, current problem from the field of computer science; it may originate from one of the areas of specialization (majors). The task is characterized by independent teamwork on the project with project-specific organization, planning and execution. The concrete contents, processes and methods are derived from the problem at hand.

Requirements for Contact Hours

active involvement in the project, also taking organizational roles

Requirements for Independent Study Hours

implementation of specific project tasks: e. g. design, programming, testing, documentation

Bibliography

project specific