

Module Guide

39-M-Inf-P Project

Technische Fakultät

Version dated Dec 13, 2025

This module guide reflects the current state and is subject to change. Up-to-date information and the latest version of this document can be found online via the page

<https://ekvv.uni-bielefeld.de/sinfo/publ/modul/543932760>

The current and valid provisions in the module guide are binding and further specify the subject-related regulations (German "FsB") published in the Official Announcements of Bielefeld University.

39-M-Inf-P Project

Faculty

Technische Fakultät

Person responsible for module

Herr Prof. Dr. Philipp Cimiano

Regular cycle (beginning)

Every semester

Credit points

10 Credit points

Competencies

As part of the project, students acquire practical competences and skills for the development of intelligent interactive systems. They learn how to use modern software and hardware technologies that are relevant for the development of such systems. They are able to use modern information technology (e.g. sensors, interfaces, networks, actuators, computer clusters and AI-based systems) in software design. In the case of group projects, students are able to plan projects independently and cooperatively. They can implement project plans and document the results of their work scientifically.

Content of teaching

Practical work is carried out largely independently or in a team of a maximum of 3 people on a topic from the field of Intelligent Interactive Systems agreed between the student(s) and the supervisor. The results of the project are presented orally in a talk and documented in a written paper. In the case of team work, the individual contributions must be clearly indicated and documented. The paper serves as scientific documentation of the project.

Recommended previous knowledge

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Necessary requirements

Successful completion of the module 39-M-Inf-GP - Fundamentals Project Intelligent Systems or 39-M-Inf-Prak - Internship Intelligent Systems

OR

successful completion of modules in the profile area (abbreviation -adv/-adv_a, -adv-foc, -app, -app-foc/-app-foc_a) totaling 15 ECTS credits

Explanation regarding the elements of the module

Module structure: 1 uPr¹

Courses

Title	Type	Regular cycle	Workload ⁵	LP ²
Projekt	project	WiSe&SoSe	300 h (30 + 270)	10 [Pr]

Examinations

Allocated examiner	Type	Weighting	Workload	LP ²
<p>Teaching staff of the course Projekt (project)</p> <p><i>Project, Project presentation lasting 10 to 20 minutes and a written report. The layout of the report depends on the actual project and should be about 8 - 16 pages.</i></p>	Projekt mit Ausarbeitung	without grades	-	-

Legend

- 1 The module structure displays the required number of study requirements and examinations.
 - 2 LP is the short form for credit points.
 - 3 The figures in this column are the specialist semesters in which it is recommended to start the module. Depending on the individual study schedule, entirely different courses of study are possible and advisable.
 - 4 Explanations on mandatory option: "Obligation" means: This module is mandatory for the course of the studies; "Optional obligation" means: This module belongs to a number of modules available for selection under certain circumstances. This is more precisely regulated by the "Subject-related regulations" (see navigation).
 - 5 Workload (contact time + self-study)
- SoSe** Summer semester
- WiSe** Winter semester
- SL** study requirement
- Pr** Examination
- bPr** Number of examinations with grades
- uPr** Number of examinations without grades