

# AMS Lab Projects

every

(in German: AMS Lab Projects )

**Module-ID: FIN-INF-120503**

| Abbreviation | Credit Points | Semester | Term           | Duration   | Language | Level  |
|--------------|---------------|----------|----------------|------------|----------|--------|
| AMS-Lab      | 6             | every    | starting at 1. | 1 Semester | english  | Master |

|                               |                                                                  |
|-------------------------------|------------------------------------------------------------------|
| <b>Link:</b>                  | <a href="#">LSF</a>                                              |
| <b>Limited accessibility:</b> | false                                                            |
| <b>Responsibility:</b>        | Prof. Dr.-Ing. Benjamin Noack                                    |
| <b>Lecturer:</b>              | Prof. Dr.-Ing. Benjamin Noack                                    |
| <b>Classes:</b>               | <ul style="list-style-type: none"><li>AMS Lab Projects</li></ul> |

**Applicability in curriculum:**

- M.Sc. INF: Informatik
- M.Sc. INF: Schlüssel- und Methodenkompetenzen
- M.Sc. INF: Informatik Wahlpflicht (SPO 2027)
- M.Sc. INF: Schlüssel- und Methodenkompetenz (SPO 2027)
- M.Sc. INF: Projekte (SPO 2027)
- M.Sc. INGINF: Informatik
- M.Sc. INGINF: Ingenieurinformatik
- M.Sc. INGINF: Schlüssel- und Methodenkompetenzen
- M.Sc. WIF: Informatik
- M.Sc. WIF: Schlüssel- und Methodenkompetenzen
- M.Sc. WIF: Informatik Wahlpflicht (SPO 2027)
- M.Sc. WIF: Schlüssel- und Methodenkompetenz (SPO 2027)
- M.Sc. WIF: Projekte (SPO 2027)
- M.Sc. DKE: Applied Data Science
- M.Sc. DKE: Projects (SPO 2027)
- M.Sc. DE: Interdisziplinäres Team-Projekt
- M.Sc. DE: Fachliche Spezialisierung
- M.Sc. DE: Digital Engineering-Projekt
- M.Sc. DE: Digital Engineering (SPO 2027)
- M.Sc. DE: Engineering Specialization (SPO 2027)
- M.Sc. DE: Schlüssel- und Methodenkompetenz (SPO 2027)
- M.Sc. DE: Projekte (SPO 2027)
- M.Sc. VC: Computer Science
- M.Sc. VC: Schlüssel- und Methodenkompetenzen
- M.Sc. VC: Computer Science (SPO 2027)
- M.Sc. VC: Schlüssel- und Methodenkompetenz (SPO 2027)

**Intended learning outcomes:**

Students who complete the course ...

- can collaborate in teams to solve challenges in technical domains and deepen their technical expertise.
- can manage a project and define goals and milestones
- can acquire the knowledge in a technical domain to derive solutions
- can present and document their work and achievements

**Content:**

This module offers different team projects and individual projects on current, research-related areas like:

- robotics
- sensor data processing
- navigation and planning
- industrial machine learning
- optimization and control
- and more

**Workload:**

180 h of individual and team work

| Pre-examination requirements: | Type of examination:                            | Teaching method / lecture hours per week (SWS): |
|-------------------------------|-------------------------------------------------|-------------------------------------------------|
|                               | Scientific Project (Wissenschaftliches Projekt) | Project (2 SWS)                                 |

| Prerequisites according to examination regulations: | Recommended prerequisites: |
|-----------------------------------------------------|----------------------------|
| keine                                               |                            |

| Media: | Literature:                                  |
|--------|----------------------------------------------|
|        | Literature will be announced in the lecture. |

**Comments:**

---

Revision #1

Created 2026-10-20 17:01:36 UTC by Fakultät für Informatik

Updated 2026-10-20 17:01:36 UTC by Fakultät für Informatik