

Module Handbook (<https://modhb.uni-kl.de/>)

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Module EIT-LRS-434-M-7

Projekt Regelungstechnik (M, 15.0 LP)

Module Identification

| Module Number | Module Name | CP (Effort) |
|-----------------|--------------------------|-----------------|
| EIT-LRS-434-M-7 | Projekt Regelungstechnik | 15.0 CP (450 h) |

Hint concerning Module EIT-LRS-434-M-7:
4 - 15 CPs depending on effort

Basedata

| | |
|---------------------------|--|
| CP, Effort | 15.0 CP = 450 h |
| Position of the semester | 1 Sem. in WiSe/SuSe |
| Level | [7] Master (Advanced) |
| Language | [DE/EN] German or English as required |
| Module Manager | Liu, Steven, Prof. Dr.-Ing. (PROF DEPT: EIT) (/staff/345/) |
| Lecturers | Liu, Steven, Prof. Dr.-Ing. (PROF DEPT: EIT) (/staff/345/) |
| Area of study | [EIT-LRS] Control Systems |
| Reference course of study | [EIT-88.781-SG#2010] M.Sc. Electrical and Computer Engineering [2010] (/mhb/FB-EIT/cos-556/) |
| Lifecycle-State | [NORM] Active |

Courses

| Type/SWS | Course Number | Choice in Module-Part | SL | PL | CP | Sem. |
|----------|---|-----------------------|-------------|-----|------|-----------|
| 2S | EIT-LRS-434-K-7 (/mhb/courses/EIT-LRS-434-K-7/) | P | PROJ-Schein | PL1 | 15.0 | WiSe/SuSe |

- About [EIT-LRS-434-K-7]: Title: "Projekt Regelungstechnik"; Presence-Time: 28 h; Self-Study: 422 h
- About [EIT-LRS-434-K-7]: The study achievement [PROJ-Schein] **proof of successful completion of the project(s)** must be obtained. It is a prerequisite for the examination for PL1.

Examination achievement PL1

- Form of examination: **combination of talk and written elaboration**
- Examination Frequency: each semester

Weighting between talk and written elaboration is set individually

Evaluation of grades

The grade of the module examination is also the module grade.

Contents

From [EIT-LRS-434-K-7] **Projekt Regelungstechnik** (/mhb/courses/EIT-LRS-434-K-7/):

aktuelle Forschungsthemen aus der Regelungstechnik

Competencies / intended learning achievements

- Befähigung selbständiger Bearbeitung eines Forschungsthemas
- Erlernen der grundlegenden Methoden des Projektmanagements
- Befähigung der schriftlichen Darstellung und mündlichen Präsentation eines bearbeiteten Themas

Requirements for attendance (informal)

Modules:

- [EIT-LRS-437-M-4] Optimal Control (M, 3.0 LP) (/mhb/modules/EIT-LRS-437-M-4/)
- [EIT-LRS-504-M-3] Linear Control (M, 5.0 LP) (/mhb/modules/EIT-LRS-504-M-3/)

Requirements for attendance (formal)

None

References to Module / Module Number [EIT-LRS-434-M-7]

| Course of Study | Section | Choice/Obligation |
|--|----------------------------|---------------------|
| [EIT-88.781-SG#2010] M.Sc. Electrical and Computer Engineering [2010] (/mhb/FB-EIT/cos-556/) | Elective Subjects | [W] Elective Module |
| [EIT-88.?-SG#2021] M.Sc. Electrical and Computer Engineering [2021] (/mhb/FB-EIT/cos-686/) | Technical Elective Modules | [W] Elective Module |