

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

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Module EIT-MEA-229-M-7

Project Mechatronics (M, 15.0 LP)

Module Identification

Module Number	Module Name	CP (Effort)
EIT-MEA-229-M-7	<i>Project Mechatronics</i>	15.0 CP (450 h)

Hint concerning Module EIT-MEA-229-M-7:
3 - 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] German
Module Manager	Götz, Stefan, Prof. Dr.-Ing. (PROF DEPT: EIT) (/staff/342/)
Lecturers	Götz, Stefan, Prof. Dr.-Ing. (PROF DEPT: EIT) (/staff/342/)
Area of study	[EIT-MEA] Mechatronics and Electrical Drives
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.
2L	EIT-MEA-229-K-7 (/mhb/courses/EIT-MEA-229-K-7/)	P	PROJ-Schein	PL1	15.0	WiSe/SuSe

- About [EIT-MEA-229-K-7]: Title: "Project Mechatronics"; Presence-Time: 28 h; Self-Study: 422 h
- About [EIT-MEA-229-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-MEA-229-K-7] **Project Mechatronics** (/mhb/courses/EIT-MEA-229-K-7/):

- Bearbeitung einer aktuellen Fragestellung auf dem Gebiet der Mechatronik und elektrischen Antriebstechnik mit wissenschaftlichen Methoden
- Stand der Forschung und Entwicklung zum ausgewählten Thema
- Präsentationstechniken
- Dokumentation

Competencies / intended learning achievements

- Entwicklung der Fähigkeit zur selbstständigen wissenschaftlichen Arbeit
- Erlernen von Präsentationstechniken
- Projektplanung, -management und -dokumentation
- Förderung der fachlichen Beurteilungskompetenz

Requirements for attendance (informal)

Modules:

- [EIT-MEA-203-M-4] Electrical Drive Technology I (M, 5.0 LP) (/mhb/modules/EIT-MEA-203-M-4/)
- [EIT-MEA-207-M-4] Electrical Drive Technology II (M, 4.0 LP) (/mhb/modules/EIT-MEA-207-M-4/)

Requirements for attendance (formal)

None

References to Module / Module Number [EIT-MEA-229-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