

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

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Notes on the module handbook of the department Mechanical and Process Engineering

Die hier dargestellten veröffentlichten Studiengang-, Modul- und Kursdaten des Fachbereichs Maschinenbau und Verfahrenstechnik ersetzen die Modulbeschreibungen im KIS und wurden mit Ausnahme folgender Studiengänge am 28.10.2020 verabschiedet.

Ausnahmen:

- BSc. Bio- und Chemieingenieurwissenschaften (Stand WS 20/21): https://www.mv.uni-kl.de/fileadmin/mv/Studium_Lehre/Modulhandbuecher/MH_BSc_BCI.pdf (https://www.mv.uni-kl.de/fileadmin/mv/Studium_Lehre/Modulhandbuecher/MH_BSc_BCI.pdf)
- BEd. Lehramt Metalltechnik (Stand WS 19/20): https://www.mv.uni-kl.de/fileadmin/mv/Studium_Lehre/Modulhandbuecher/MHB_Bachelor_Lehramt_Metalltechnik.pdf (https://www.mv.uni-kl.de/fileadmin/mv/Studium_Lehre/Modulhandbuecher/MHB_Bachelor_Lehramt_Metalltechnik.pdf)
- MSc. Bio- und Chemieingenieurwissenschaften (Stand WS 20/21): https://www.mv.uni-kl.de/fileadmin/mv/Studium_Lehre/Modulhandbuecher/MH_Msc_BCI.pdf (https://www.mv.uni-kl.de/fileadmin/mv/Studium_Lehre/Modulhandbuecher/MH_Msc_BCI.pdf)
- MEd. Lehramt Metalltechnik Werkstoffe und Fertigung (Stand WS 19/20): https://www.mv.uni-kl.de/fileadmin/mv/Studium_Lehre/Modulhandbuecher/MHB_Master_Lehramt_Metalltechnik_-_Werkstoffe_und_Fertigung.pdf (https://www.mv.uni-kl.de/fileadmin/mv/Studium_Lehre/Modulhandbuecher/MHB_Master_Lehramt_Metalltechnik_-_Werkstoffe_und_Fertigung.pdf)
- MEd. Lehramt Metalltechnik Maschinen- und Fahrzeugtechnik (Stand WS 19/20): https://www.mv.uni-kl.de/fileadmin/mv/Studium_Lehre/Modulhandbuecher/MHB_Master_Lehramt_Metalltechnik_-_Fahrzeugtechnik.pdf (https://www.mv.uni-kl.de/fileadmin/mv/Studium_Lehre/Modulhandbuecher/MHB_Master_Lehramt_Metalltechnik_-_Fahrzeugtechnik.pdf)
- MEd. Lehramt Metalltechnik Verfahrenstechnik (Stand WS 19/20): https://www.mv.uni-kl.de/fileadmin/mv/Studium_Lehre/Modulhandbuecher/MHB_Master_Lehramt_Metalltechnik_-_Verfahrenstechnik.pdf (https://www.mv.uni-kl.de/fileadmin/mv/Studium_Lehre/Modulhandbuecher/MHB_Master_Lehramt_Metalltechnik_-_Verfahrenstechnik.pdf)

Module MV-BCI-217-M-4

Master Thesis (M, 30.0 LP)

Module Identification

Module Number	Module Name	CP (Effort)
MV-BCI-217-M-4	<i>Master Thesis</i>	30.0 CP (900 h)

Basedata

CP, Effort	30.0 CP = 900 h
Position of the semester	1 Sem. in WiSe/SuSe
Level	[4] Bachelor (Specialization)
Language	[DE/EN] German or English as required
Module Manager	Thiel, Werner R., Prof. Dr. (PROF DEPT: CHE) (/staff/181/) Ulber, Roland, Prof. Dr. (PROF DEPT: MV) (/staff/297/)
Lecturers	Lecturers of the department Mechanical and Process Engineering
Reference course of study	[MV-88.A29-SG] M.Sc. Biological and Chemical Engineering (/mhb/FB-MV/cos-567/)
Lifecycle-State	[NORM] Active

Notice

The Master's thesis is handed out and supervised by professors or private lecturers from the faculties of mechanical and process engineering or chemistry.

Examination achievement PL1

- Form of examination: **Master's thesis**
- Examination Frequency: each semester
- Examination number: 41600 ("Master's Thesis")

Examination achievement PL2

- Form of examination: **talk (20-35 Min.)**
- Examination Frequency: each semester

Der Vortrag/das Kolloquium besteht aus einem Vortragsteil (20 Minuten) und einer fachwissenschaftlichen Diskussion (bis zu 20 Minuten) zum Thema der Masterarbeit.

Evaluation of grades

All partial module examinations have to be passed. The module grade is the arithmetic mean of all partial examination grades.

Written elaboration: 80%

Lecture with subsequent discussion: 20%.

Contents

Depending on the type of task and the chosen subject, selected contents of the respective subject are taught.

Competencies / intended learning achievements

The students

- are able to solve a task of an experimental, constructive or theoretical nature from the subject area of your Master's degree independently using scientific methods
- can methodically classify and systematically combine knowledge from different areas
- are able to familiarize themselves quickly, methodically and systematically with new things
- can evaluate applicable methods and their limitations
- are able to systematically reflect non-technical effects of engineering activities and integrate them into their actions in a

responsible manner

- acquire the key qualifications necessary for engineering work and those that can be applied beyond that (social competence, methodological competence, self-competence, action competence)
- can present the achieved results in a lecture

Literature

Determination by the supervisor

Requirements for attendance (informal)

None

Requirements for attendance (formal)

You must have completed 22 LP and the research paper (Master's).

References to Module / Module Number [MV-BCI-217-M-4]

Course of Study	Section	Choice/Obligation
[MV-88.A29-SG] M.Sc. Biological and Chemical Engineering (/mhb/FB-MV/cos-567/)	Masterarbeit	[P] Compulsory