

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-FBK-B104-M-4

General Softskills (M, 4.0 LP)

Module Identification

Module Number	Module Name	CP (Effort)
MV-FBK-B104-M-4	<i>General Softskills</i>	4.0 CP (120 h)

Basedata

CP, Effort	4.0 CP = 120 h
Position of the semester	1 Sem. in WiSe
Level	[4] Bachelor (Specialization)
Language	[DE] German
Module Manager	Aurich, Jan, Prof. Dr.-Ing. (PROF DEPT: MV) (/staff/301/)
Lecturers	Göbel, Jens-Christian, Prof. Dr.-Ing. (PROF DEPT: MV) (/staff/312/) Langlotz, Pascal (WMA DEPT: MV) (/staff/330/)
Area of study	[MV-FBK] Manufacturing Technology and Production Systems
Reference course of study	[MV-82.103-SG] B.Sc. Mechanical Engineering (/mhb/FB-MV/cos-508/)
Lifecycle-State	[NORM] Active

Courses

Type/SWS	Course Number	Choice in Module-Part	SL	PL	CP	Sem.
2V	MV-FBK-86501-K-4 (/mhb/courses/MV-FBK-86501-K-4/)	P	-	PL1	2.0	WiSe
2V	MV-VPE-86930-K-4 (/mhb/courses/MV-VPE-86930-K-4/)	P	-	PL2	2.0	WiSe

- About **[MV-FBK-86501-K-4]**: Title: "Production Management for Mechanical Engineers"; Presence-Time: 28 h; Self-Study: 32 h
- About **[MV-VPE-86930-K-4]**: Title: "Entrepreneurship"; Presence-Time: 28 h; Self-Study: 32 h

Examination achievement PL1

- Form of examination: **written exam (Klausur) (60-90 Min.)**
- Examination Frequency: each semester
- Examination number: 10501 ("Production Management for Mechanical Engineers")

Examination achievement PL2

- Form of examination: **written or oral examination**
- Examination Frequency: each semester
- Examination number: 10930 ("Entrepreneurship")

Written (90 minutes) or oral (15-30 minutes) examination, will be announced at the beginning of the course.

Evaluation of grades

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

Contents

From **[MV-FBK-86501-K-4] Production Management for Mechanical Engineers** (/mhb/courses/MV-FBK-86501-K-4/):

Production Management for Mechanical Engineers:

- organization of manufacturing enterprises
- business processes (main processes and cross-sectional processes)

- forms and characterization of the project management
- basics of the process organization
- product development process
- job execution process
- sales and services
- life cycle management
- quality management

From [MV-VPE-86930-K-4] **Entrepreneurship** (/mhb/courses/MV-VPE-86930-K-4/):

The students gain an insight into entrepreneurial thinking and acting. Thereby the side of the founder (entrepreneur) as well as the side of the employee (intrapreneur) will be examined. In addition to basic considerations that belong to a business start-up, the lecture also teaches contents of business ethics up to self and time management methods.

Competencies / intended learning achievements

From [MV-FBK-86501-K-4] **Production Management for Mechanical Engineers** (/mhb/courses/MV-FBK-86501-K-4/):

Students are able to:

- describe and compare different kinds of organizations in manufacturing enterprises.
- name the main processes of manufacturing enterprises as well as their constraints and correlations.
- point out the correlations and impacts of technical decisions and organizational frameworks of product lifecycles.
- explain the basics of project management and quality management.
- solve an exemplary problem about the organization of a manufacturing enterprise and to present it to a team.

From [MV-VPE-86930-K-4] **Entrepreneurship** (/mhb/courses/MV-VPE-86930-K-4/):

Students will be able

- to contrast their technical background in their studies with their upcoming working life.
- to make a better decision for or against self-employment.
- to show the connection of operational functional areas with their later professions.
- to combine soft skills and hard skills in later working life.
- to name basic steps of a company foundation.
- to evaluate the actions of a company from an ethical point of view.
- to explain the concepts of Taylorism, Fordism and Toyotism and their impact on employee psychology.

Literature

From [MV-FBK-86501-K-4] **Production Management for Mechanical Engineers** (/mhb/courses/MV-FBK-86501-K-4/):

- Wiendahl: Betriebsorganisation für Ingenieure, Hanser-Verlag;
- Eversheim: Organisation in der Produktionstechnik, VDI-Verlag

Requirements for attendance (informal)

None

Requirements for attendance (formal)

None

References to Module / Module Number [MV-FBK-B104-M-4]

Course of Study	Section	Choice/Obligation
[MV-82.103-SG] B.Sc. Mechanical Engineering (/mhb/FB-MV/cos-508/)	SoftSkills	[P] Compulsory
[MV-82.B10-SG] B.Sc. Energy and Process Engineering (/mhb/FB-MV/cos-528/)	SoftSkills	[P] Compulsory