

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

TUK (<https://www.uni-kl.de>) MODHB (<https://modhb.uni-kl.de/>) Homepage (/)

Course MAT-25-10W-K-4

Practical Training Business Mathematics (2L, 9.0 LP)

Course Type

SWS	Type	Course Form	CP (Effort)	Presence-Time / Self-Study
2	L	Project work	9.0 CP	28 h / 242 h
(2L)			9.0 CP	28 h / 242 h

Basedata

SWS	2L
CP, Effort	9.0 CP = 270 h
Position of the semester	1 Sem. in WiSe/SuSe
Level	[4] Bachelor (Specialization)
Language	[DE] German
Lecturers	Lecturers of the department Mathematics
Area of study	[MAT-HPT] Mathematics (B.Sc. 3rd year - general)
Lifecycle-State	[NORM] Active

Possible Study achievement

- Verification of study performance: **proof of successful participation in the practical course / lab**
- Examination number (Study achievement): 82125 ("Practical Training Mathematics")
- Details of the examination (type, duration, criteria) will be announced at the beginning of the course.

The achievements to be provided usually include a written report and a presentation.

Contents

A selected topic will be used as an example to deal with an issue from (business) mathematics aiming at a practical implementation in the form of a programme / programme package. The participating students should first work out largely independently the issue, plan the realisation of the project, carry it out and finally present their results.

The topic should take into account the different preknowledge of the students, which is based on the fact that individually different choices were made for the compulsory electives of the second year of study.

As a rule, two to three students should work together on a single project.

The implementation of the project is accompanied by the teaching and elaboration of the required soft skills (such as project planning and team management).

Registration

Towards the end of each semester's lecture period, the practical training projects (Fachpraktika) offered in the following semester will be presented at the "Fachpraktikumsbörse" and the modalities for participation and registration will be announced.

Further information can be found on the website of the bachelor's programme Business Mathematics and asked for at the persons in charge for the practical training projects of the respective specialisations (Fachpraktikumsbeauftragte):

- Analysis and Stochastics: Dr. T. Fattler,
- Modelling and Scientific Computing: Dr. M. Bracke,
- Optimisation and Stochastics: Dr. F. Kämmerer (Optimisation), Dr. J.-P. Stockis (Stochastics).

Requirements for attendance (informal)

Knowledge from courses of Applied Mathematics (Optimisation, Numerical Methods, Stochastics); depending on the project, further prerequisites may be necessary.

Modules:

- [MAT-10-1-M-2] Fundamentals of Mathematics (M, 28.0 LP) (/mhb/modules/MAT-10-1-M-2/)

Requirements for attendance (formal)

Registration at the person in charge for the practical training projects of the respective specialisation (Fachpraktikumsbeauftragte) is required; in the case of projects/internships outside the department of mathematics, the registration has to be done at least one month before the start of the projects/internship.

As formal admission requirement for a specific project, the proof of successful participation (Praktikumsschein) for one of the programming labs from the module **[MAT-14-02-M-3]** (/mhb/modules/MAT-14-02-M-3/) may be required.

References to Course [MAT-25-10W-K-4]

Module	Name	Context
[MAT-25-10W-M-4 (/mhb/modules/MAT-25-10W-M-4/)]	Practical Training Business Mathematics	P: Obligatory 2L, 9.0 LP