

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

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

Course MAT-14-11AP-K-3

Practical Course Numerical Methods of Linear Algebra (1L, 2.0 LP)

Course Type

SWS	Type	Course Form	CP (Effort)	Presence-Time / Self-Study
1	L	Programming training course	2.0 CP	14 h / 46 h
(1L)			2.0 CP	14 h / 46 h

Basedata

SWS	1L
CP, Effort	2.0 CP = 60 h
Position of the semester	1 Sem. in WiSe
Level	[3] Bachelor (Core)
Language	[DE] German
Lecturers	Damm, Tobias, Prof. Dr. (PROF DEPT: MAT) (/staff/7/) Klar, Axel, Prof. Dr. (PROF DEPT: MAT) (/staff/18/) Pinnau, René, Prof. Dr. (PROF DEPT: MAT) (/staff/27/) Simeon, Bernd, Prof. Dr. (PROF DEPT: MAT) (/staff/34/) Surulescu, Christina, Prof. Dr. (PROF DEPT: MAT) (/staff/37/) + further Lecturers of the department Mathematics
Area of study	[MAT-EDU] Mathematics (B.Ed./M.Ed.)
Lifecycle-State	[NORM] Active

Possible Study achievement

- Verification of study performance: **proof of successful participation in the practical course / lab**
- Details of the examination (type, duration, criteria) will be announced at the beginning of the course.

Contents

Implementation of algorithms from the course [MAT-14-11A-K-3] (/mhb/courses/MAT-14-11A-K-3/) *Numerical Methods of Linear Algebra* using higher programming languages and special mathematical software packages (e.g. MATLAB).

Literature

The literature will be announced in the course.

Registration

Registration via the online administration system URM (<https://urm.mathematik.uni-kl.de> (<https://urm.mathematik.uni-kl.de>)).

Requirements for attendance (informal)

Parallel (or previous) attendance of the course [MAT-14-11A-K-3] (/mhb/courses/MAT-14-11A-K-3/).

Modules:

- [MAT-10-11-M-2] Fundamentals of Mathematics A: Linear Algebra I and Analysis I (M, 15.0 LP) (/mhb/modules/MAT-10-11-M-2/)
- [MAT-10-12L-M-2] Fundamentals of Mathematics B: Linear Algebra II and Analysis II (M, 9.0 LP) (/mhb/modules/MAT-10-12L-M-2/)

Courses

- [MAT-14-00L-K-2] Introduction to Scientific Programming (for Students of Teacher Training Programmes) (1V+1U, 3.0 LP) (/mhb/courses/MAT-14-00L-K-2/)

Requirements for attendance (formal)

None

References to Course [MAT-14-11AP-K-3]

Course-Pool	Name
[MAT-14LP-KPOOL-3 (/mhb/coursepools/MAT-14LP-KPOOL-3/)]	Practical Courses on Practical Mathematics (B.Ed. Mathematics)