Mathematics M2e

Summer

(engl. Mathematics M2e)

Module-ID: FMA-INF-5013262

Link:	**(Angeboten wenn im LSF)**
Responsibility:	Prof. Dr. Thomas Richter
Lecturer:	, Prof. Dr. Thomas Richter
Classes:	• Lecture *Mathematics M2e* • Global tutorial *Mathematics M2e* • Group tutorial *Mathematics M2e*

Credit Points	Semester	Term	Duration	Language	Level
5	Summer	3.	1 Semester	english	Bachelor

Goals and qualifications:
The students acquire comprehension of and familiarity with concepts and methods that are relevant for subject-specific classes in the areas of engineering and computer science. They develop technical skills by applying those methods, in particular to subject-specific examples. The topical focus of the module is on an introduction to calculus.

Content:

- Convergence and continuity
- Differential calculus (1-dimensional)
- Ordinary differential equations (examples, methods to solve homogeneous linear ODE’s of second order with constant coefficients)
- Calculus of integrals (1-dimensional)
- Differential calculus (n-dimensional)
- Examples of partial differenzial equations

Workload:

	In class	Self-study
Lecture	3 SWS / 42 h	66 h
Global tutorial	2 SWS / 28 h	
Group tutorial	1 SWS / 14 h	

Prerequisites for participation:	Pre-examination requirements:	Type of examination:

Applicability in curriculum:	- B.Sc. INF: Mathematik / Logik - B.Sc. INF: Mathematik (SPO 2027) - B.Sc. CV: Mathematik / Logik - B.Sc. CV: Mathematik (SPO 2027) - B.Sc. INGINF: Mathematik / Logik - B.Sc. INGINF: Mathematik (SPO 2027) - B.Sc. WIF: Verstehen - Pflicht - B.Sc. WIF: Mathematik (SPO 2027) - B.Sc. INF (bilingual): Mathematik / Logik - B.Sc. INF (bilingual): Mathematik (SPO 2027)

Comments:

Revision #1
Created 2026-11-20 10:25:52 UTC by Fakultät für Informatik
Updated 2026-11-20 10:25:52 UTC by Fakultät für Informatik