Module title
Mathematics 1 for students of Space- and Aerospace Computer Science

Abbreviation
10-M-LRI1-141-m01

Module coordinator
Dean of Studies Mathematik (Mathematics)

Module offered by
Institute of Mathematics

ECTS
10

Method of grading
Numerical grade

Only after succ. compl. of module(s)

Duration
1 semester

Module level
Undergraduate

Other prerequisites
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Contents
Basics on numbers and functions, sequences and series, elementary functions, differential and integral calculus in one variable, vector calculus, linear maps and systems of linear equations, matrix calculus.

Intended learning outcomes
The student gets acquainted with fundamental concepts and methods of advanced mathematics. He/She learns to apply these methods to problems in natural and engineering sciences, in particular in computer science, and is able to interpret the results.

Courses
V + Ü (no information on SWS (weekly contact hours) and course language available)

Method of assessment
Written examination (approx. 90 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)

Language of assessment: German, English

Allocation of places
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Additional information
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Referred to in LPO I
(examination regulations for teaching-degree programmes)

Module appears in
Bachelor’ degree (1 major) Aerospace Computer Science (2014)