Module title
Fundamentals Analysis

Abbreviation
10-M-ANA-G-131-m01

Module coordinator
Dean of Studies Mathematik (Mathematics)

Module offered by
Institute of Mathematics

ECTS
8

Method of grading
Only after succ. compl. of module(s)

(1) not successfully completed

Duration
1 semester

Module level
undergraduate

Other prerequisites
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Contents
Real numbers and completeness, basic topological notions, convergence and divergence of sequences and series, differential and integral calculus in one variable.

Intended learning outcomes
The student knows and masters the essential methods and notions of analysis. He/She is acquainted with the central proof methods in analysis and can employ them to solve easy problems. He/she is able to perform easy mathematical arguments independently and to express mathematical arguments precisely and clearly in written form.

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

Method of assessment
written examination (approx. 90 to 180 minutes) and approx. 12 exercise sheets with approx. 4 exercises each

Language of assessment: German, English if agreed upon with the examiner

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

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Module appears in
Bachelor’ degree (1 major) Mathematics (2014)
Bachelor’ degree (1 major) Computational Mathematics (2014)