### Module title
Overview Analysis for Business Mathematics

### Abbreviation
10-M-ANB-Ü-152-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)
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### 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, further topological considerations, differential calculus with a focus on functions in several variables.

### Intended learning outcomes
The student knows and masters the essential methods and proof techniques of analysis and is able to apply them independently, He/She has an overview over the fundamental notions and concepts of analysis, their analytic background and geometric interpretation, and can interconnect them and express them adequately in written and oral form.

### Courses
(V 4) + Ü (2)

### Method of assessment
Oral examination of one candidate each (20 to 40 minutes)
Assessment will have reference to the contents of modules 10-M-ANA1 and 10-M-ANB-Ü.
Language of assessment: German and/or 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)
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### Module appears in
Bachelor’ degree (1 major) Economathematics (2015)
Bachelor’ degree (1 major) Economathematics (2017)
Bachelor’ degree (1 major) Economathematics (2021)

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