## Module title
Mathematics 2 for students of Technology of Functional Materials

## Abbreviation
10-M-TFU2-101-m01

### Module coordinator
Dean of Studies Mathematik (Mathematics)

### Module offered by
Institute of Mathematics

### ECTS
8

### 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
Linear maps and systems of linear equations, matrix calculus, eigenvalue theory, differential and integral calculus in several variables, differential equations, Fourier analysis.

## Intended learning outcomes
The student gets acquainted with fundamental concepts of advanced mathematics. He/She learns to apply these methods to problems in natural and engineering sciences, in particular in the technology of functional materials, 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 minutes)

## 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) Technology of Functional Materials (2010)