### Module title
Didactics of Mathematics: Analytic Geometry and Stochastics

### Abbreviation
10-M-D3GY-152-m01

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

### Module offered by
Institute of Mathematics

### ECTS
3

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

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### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
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### Contents
Discussion of basic topics in mathematics didactics for Gymnasium using the examples of analytic geometry and stochastics (Sekundarstufe I) as well as discussion of possibilities of implementation in the classroom, also including modern technologies.

### Intended learning outcomes
The student is acquainted with basic mathematical ways of thinking and working techniques (in particular in the fields of analytic geometry and stochastics in Sekundarstufe I) and is able to take into account the students' perception of mathematical topics, He/She knows important aspects of planning and analysing teaching of mathematics, masters different strategies for teaching and learning and can assess them.

### Courses (type, number of weekly contact hours, language — if other than German)
V (2)

### Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)
a) written examination (approx. 60 to 90 minutes) or b) oral examination of one candidate each (approx. 15 to 20 minutes) or c) oral examination in groups of up to 3 candidates (approx. 10 minutes per candidate)
Assessment offered: Every two years, summer semester

### Allocation of places
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### Additional information
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### Referred to in LPO I (examination regulations for teaching-degree programmes)
§ 22 II Nr. 3 f)

### Module appears in
First state examination for the teaching degree Gymnasium Mathematics (2015)
First state examination for the teaching degree Gymnasium Mathematics (2019)