## Module title
Elementary Stochastics

### Abbreviation
10-M-ELST-152-m01

## Module coordinator
Dean of Studies Mathematik (Mathematics)

## Module offered by
Institute of Mathematics

## ECTS
5

## Method of grading
numerical grade

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

## Duration
1 semester

## Module level
undergraduate

## Other prerequisites
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## Contents
Fundamental topics in elementary stochastics: descriptive statistics, probability theory, combinatorics, inferential statistics, stochastic modelling, introduction to basic mathematical techniques.

## Intended learning outcomes
The student knows the basic ways of thinking and working in mathematics, as well as the fundamental mathematical proof methods. He/She is able to apply these skills to basic problems in stochastics.

## Courses
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<tr>
<th>Type</th>
<th>Number of weekly contact hours</th>
<th>Language</th>
<th>Language offered</th>
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<tr>
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## Method of assessment
<table>
<thead>
<tr>
<th>Type</th>
<th>Scope</th>
<th>Language</th>
<th>Examination offered</th>
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<tbody>
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<td>written examination (approx. 60 to 90 minutes)</td>
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If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate) and written exercises (approx. 12 exercise sheets, approx. 3 exercises per sheet).

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

## Module appears in
First state examination for the teaching degree Grundschule Mathematics (2015)
First state examination for the teaching degree Realschule Mathematics (2015)
First state examination for the teaching degree Mittelschule Mathematics (2015)
First state examination for the teaching degree Mittelschule Mathematics (2020 (Prüfungsordnungsversion 2015))