# Study plan autumn semester 2024

**Module-No.** | **Module name** | **Semester**
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M 01 | Algorithmics | 1
M 02 | Statistics and Discrete Structures | 1
M 03 | Analysis I | 2
M 04 | Linear Algebra I | 2
M 05 | Analysis II | 3
M 06 | Linear Algebra II | 3

**Module-No.** | **Module name** | **Semester**
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M 07 | Analysis III | 4/5
M 09 | Introduction to Numerics | 4/5
M 10 | Mathematical Modelling (Elective module) | 4/5
M 11 | Algebra | 4/5
M 13 | Differential Geometry (Elective module) | 4/5
M 08 | Probability | 8/7
M 14 | Number Theory (Elective module) | 8/7
M 16 | Optimization & Machine Learning (Elective module) | 8/7

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**Module-No.** | **Module name** | **Semester**
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M 15 | Introduction to Complex & Functional Analysis | 6/7
M 12 | Theory and Numerics of ODEs | 6/7
M 17 | Theory and Numerics of PDEs | 8/9
M 18 | Seminar on special topics | 8/9
M 19 | Module from another Faculty (Elective module) | 8/9
M 20 | Bachelor Thesis | 8/9

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**Event 1**
- M 01
- M 07
- M 09
- M 11
- M 12
- M 14
- M 15

**Event 2**
- M 03
- M 06
- M 07
- M 14
- M 15
- M 01

**Event 3**
- M 13
- M 16
- M 02
- M 04
- M 05
- M 09
- M 16

**Event 4**
- M 02
- M 03
- M 08
- M 04
- M 05

**Event 5**
- M 02
- M 08
- M 04
- M 08
- M 04

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**Location event and exams**
Classes and exams will generally be held online. Details on the individual modules are communicated in Moodle.

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If there are any changes from the listed dates or form of examination, the module team will contact the concerned students directly.

The re-examinations for modules M01 - M06 take place on the regular examination date in the following semester.

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Deviations are possible for oral examinations.

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We reserve the right to make changes. Version 31.05.2024