Module Overview M.Sc. Mathematics (6 Semesters) - Programme in English

Degree Programme Guidelines as per 01.10.2018, Version 01.10.2018

The degree programme consists of 120 Credit Points (CP) in total:

- **Advanced Courses in Mathematics:** 36 CP
- **Mathematical Seminar/Project:** 10 CP
- **Electives - Programme related Courses:** 31 - 36 CP
  - **Additional Courses in Mathematics:** 14 - 27 CP
  - **Minor or Additional Courses in Mathematics** 9 - 22 CP
- **Interdisciplinary Electives/Studium Generale:** 3 - 8 CP
- **Preparation for and Master's Thesis:** 35 CP

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This leads to the following *possible* part-time semester course schedule:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester
Advanced Courses in Mathematics Chose two modules with 18 CP each. Areas of research are: Algebra; Analysis; Geometry und Approximation; Mathematical Logic, Numerical Analysis; Optimization *and* Stochastics **(36 CP)**		**Research Project Preparation (5 CP)**	**Seminars or Project in Mathematics** (10 CP)**	**Master's Thesis (30 CP)**	
Additional Courses in Mathematics* (14 - 27 CP)**					
Interdisciplinary Courses (3 - 8 CP): **Interdisciplinary Electives (0 - 5 CP)** **Studium Generale (3 - 8 CP)**					
Courses in a Minor or Additional Courses in Mathematics e.g. Computer Science, Entrepreneurship and Innovation; further options upon request **(9 - 22 CP)**					
Ø 15 CP	**Ø 15 CP**	**Ø 15 CP**	**Ø 15 CP**	**Ø 15 CP**	**Ø 15 CP**

* Chose two seminars or one seminar and a project of different research areas.

** Choice of modules from the Master's degree programme *and/or* from the Bachelors's degree programme (3rd Year) Mathematic, further options upon request