

Sample curriculum

Mathematical Analysis and Modelling

Preparatory Modules

Core Modules

(Choose two out of 7 profiles)

- Mathematical modelling,
- Numerical analysis of PDEs,
- Stochastics,
- PDEs and calculus of variations,
- Control theory and model reduction,
- Numerics in finance,
- Dynamical systems.

Elective Modules

- Courses from all the above profiles

Seminars, Projects and Softskill module

Semester 1 (30 ECTS)	Semester 2 (30 ECTS)	Semester 3 (abroad, 30 ECTS)	Semester 4 (30 ECTS)
Supplements on Analysis (6 ECTS)	Preparatory module, e.g. Supplements on Numerics (6 ECTS)	Software project (6 ECTS)	Master's thesis incl. presentation (30 ECTS)
Preparatory module, e.g. Supplements on Stochastics (6 ECTS)	Elective Module (9 ECTS)	Elective Module (9 ECTS)	
Core module (9 ECTS)	Softskill Module (6 ECTS)	Elective Module (9 ECTS)	
	Elective Module (3 ECTS)		
Core module (9 ECTS)	Mathematical Seminar (6 ECTS)	Mathematical Seminar (6 ECTS)	