

Year 1

Year 2

Semester 1

Semester 2

Semester 3

Semester 4

Mathematical Physics 1

compulsory

10 ECTS

Relativistic QFT

OR

Cosmology

10 ECTS

QFT on Curved
Spacetimes

OR

Sel. topics in Algebra
and Geometry

OR

QFT of Many-Particle
Systems

10 ECTS

Mathematical Physics 2

compulsory

10 ECTS

Functional Analysis/
Operator Theory

mathematics

10 ECTS

QFT

OR

QFT and Gravity

seminar

5 ECTS

Advanced
Quantum Mechanics
physics

10 ECTS

Stochastic
Processes I

OR

Advanced
Analysis - PDE

10 ECTS

Research
Practice

compulsory

15 ECTS

Master Thesis

compulsory

30 ECTS