

## Study plan during your Masters: first year

Experiments in groups of two, reports, seminar

### You have to take:

- Advanced Labs (10 CP)
- Selected topics (5 CP)
- 2 “core” classes, at least one in theory (2 × 10 CP)
- Electives (together 25 CP)

Seminar-style, MANY topics

#### Theoretical physics

- Advanced Quantum Mechanics
- Statistical Physics and Thermodynamics
- Advanced Statistical Physics
- Quantum Field Theory and Many-Body Physics

#### Experimental physics

- Advanced Solid State Physics
- Advanced Atomic and Molecular Physics
- Advanced Biophysics

### Total: 60 Credit Points (CP)

- **MANY TOPICS** from nanoscience to quantum computing and photovoltaics
- also more of the above “core” classes
- Can be outside of physics (mostly in German)

- only summer semester
- only winter semester