



Universität Ulm

Master of Science Physics (PO 2019)

Advanced Seminar Physics

Code 8812875063

ECTS credits 4

Attendance time 2

Language of instruction German or English

Duration 1

Cycle each Semester

Coordinator Dean of Physics Studies

Instructor(s) All physics lecturers

Allocation of study programmes Physics M.Sc., 1st or 2nd Semester
Wirtschaftsphysik M.Sc., 1st or 2nd Semester

Recommended prerequisites Content of the modules Electricity and Magnetism, Optics, Atomic Physics, Theoretical Mechanics, Quantum Mechanics (depending on the chosen topic)

Learning objectives Students who have successfully passed this module

- are able to research a physical subject from a scientific point of view in the library, in databases and journals.
- have acquired the ability to structure scientific content and to present it in a lecture in compliance with a time schedule
- have learned to defend their point of view in a scientific discussion.

Syllabus Each semester, several seminars are offered on changing topics from experimental and theoretical physics.

Literature Depending on each topic.

Teaching and learning methods

Seminar (2 h/week)

Workload

30 h Seminar (attendance)
90 h Talk preparation
Total: 120 hours

Assessment

The module examination consists of completing an assignment on a given topic and a graded oral and written presentation of the results and participation in the discussion.

Grading procedure

The module grade is equal to the examination grade.

Basis for

Preparation of scientific lectures and presentation of own results.
