

Information about project thesis, master examination and master thesis

Project Thesis

Important:

- The project thesis (10KP) should be carried out in the first year of the Master's program.
- The project work should not significantly exceed the duration of 6-8 weeks (full-time) as specified in the guidelines (Wegleitung). The topic should be chosen in such a way that it can be worked on in this time appropriately. Instead of extending the project work, another research project can also be attached, which will be credited in the elective area (study contract for max. 6 weeks full-time / 8KP).

Application:

- Contact independently a research group of your choice (internal but also external).
- The project work requires only one assessor (professor, titular professor or private lecturer), a second assessor (PhD) can be added if necessary.
- Together with the assessor, fill out the study contract in MOnA.
- The study contract must be signed by the chair of the Physics Studies Committee (UK).
- At the end of the project work, the study contract will be evaluated online by the assessor.

Master's examination in physics

Important:

- The master's examination must be taken BEFORE the master's thesis.
- The special lectures to be examined should be thematically related (if unclear, please check with the UK chairperson or the study coordinator beforehand).

Admission Requirements:

- All admission requirements for the master's program in physics must be fulfilled (additional requirements and successfully completed bachelor's program in physics, if applicable).
- 2 special lectures (module in-depth subject) with exercises must be successfully completed.

Registration:

- The master's examination takes place at the end of the lecture period of the first year of the master's program.
- Registration of the Master's examination in the Physics Office of Studies (Mile Mirkovic) and approval by UK. An academic progress summary must be submitted for registration.
- The Master's examination is taken by two responsible lecturers or one lecturer with a qualified assessor (PhD).
- One of the lecturers must hold a professorship at the Department of Physics of the University of Basel.
- In advance, a common date for the Master's examination should be found with the examiners.

Examination:

- Before the exam, the evaluation form (website philnat.unibas.ch) has to be printed and filled out by the student.
- The duration of the exam is 45min, equally in both subjects.
- The material to be examined should go beyond the topics covered in the lectures (according to the study regulations for physics and the framework regulations of the Faculty of Science, students should demonstrate in-depth scientific knowledge, in the sense of an overview that goes beyond the material covered in individual courses).
- The examiners or the assessor keep a protocol.
- The evaluation form is handed in to the Physics Office of Studies (by the examiner). From there, the evaluation form is forwarded to the Dean's Office (PhilNat).

Master Thesis in physics

Important:

- The master thesis can only be started AFTER the master examination.
- If the master thesis is carried out in an external research group/company, this must be clarified in advance with the chair of the Physics Studies Committee or the study coordinator.

Admission requirements:

- Prerequisite is a successfully completed master's examination in physics and
- a completed two-month preparation for the master's thesis (the 10 credit points acquired in this process are automatically credited after completion of the master's thesis).

Application:

- Contact independently a research group of your choice (internal but also external).
- The assessor or the second assessor must hold a professorship at the Department of Physics at the University of Basel.
- Together with your assessor and second assessor, fill out the study contract in duplicate (website PhilNat) for the master thesis.
- The assessor must have a habilitation or equivalent qualification, the second assessor must have a PhD.
- The study contract must be signed in advance by the chair of the Physics Studies Committee.

Graduation:

- Upon completion of the six-month master's thesis, the assessor completes the evaluation and submits the study contract to the Physics Office of Study. From there it is forwarded to the Dean's Office (PhilNat).