



Requirements for Doctoral Students of Astronomy and Cosmology

The final doctoral examination encompasses three different fields in Physics and Astronomy, in accordance with §10 of the Faculty Regulations for Doctoral Studies. In order to fulfil these requirements, the examination candidate must have an in-depth knowledge of theoretical or practical astronomy or both.

1. The candidate is required to register for the final examination. Upon registration, he/she must provide written proof of the following:

- Attendance of the astronomical practical
- Lecture within a seminar on Astronomy
- Lecture in an advanced seminar on Astronomy (“Oberseminar”)

(Should there be any open questions regarding this, these should be clarified as soon as possible within the admission process).

2. The candidate is required to have a solid basic knowledge in Astronomy, which is necessary for the successful participation in the above mentioned seminars. This basic knowledge is imparted in a lecture series over two semesters entitled

- Introduction to Astronomy and Astrophysics I and II

and is offered regularly.

3. In-depth knowledge on which the candidate will be examined is imparted in the standard courses listed below, which are repeatedly offered by the Department of Physics and Astronomy. These are:

- Theoretical astrophysics (MKTP2)
- Observational methods (MVAstro1)
- Stellar astronomy and astrophysics (MVAstro2)
- Galactic and extragalactic astrophysics (MVAstro3)
- Cosmology (MVAstro4)

Knowledge of the current status of research, which may also be content of the final examination, can be obtained through special lecture series, seminars and colloquia.

This page is to be signed by the candidate and returned to the administrative office

I confirm that I have read, understood and noted the requirements for the doctoral examination for Astronomy.

.....
place, date

.....
signature of candidate