Length of the Dissertation

The length of the dissertation is, according to PhD regulations, limited to a maximum of 100 pages. Although the table of contents is included within these pages, the bibliography is not included. Any attachments with additional information, not necessarily required for the dissertation, will not be included in the evaluation. Exceeding the permitted length requires the approval of the dean. The regulation for this exception is handled very restrictively.

Reviewers

- The reviewers must be university professors, qualified as a university professor or a junior research group leader.
- Except with the supervising university professors, there should not be any previous joint publications with the reviewers.
- If possible, there should not be two reviewers from the same institute.
- Please, propose four reviewers so that the faculty council can choose three of them.

Teaching Achievements

It is expected from the doctoral students that they work as a teacher for a total of 4 SWS ("Semesterwochenstunden", hours per week) or equivalent hours or participate in teaching trainings during their doctoral work.

This teaching can happen in lectures from the faculty's course catalog. Additionally it is possible to teach in courses not found in the course catalog (e.g. tutorials or preparatory courses). In that case an application has to be filed at the Dean for Studies.

Teaching trainings can be offered from the faculty, the FSU (e.g. "Lehre Lernen") or from other universities. They can amount to half of the teaching obligations (2 SWS). Recognition requires the approval of the Dean for Studies.

The conversion of full hours to equivalent hours is based on state regulations. Depending on the type of teaching different weighting factors have to be applied:

- factor 1 for seminars or tutorials
- factor 0.5 for teaching trainings
- factor 0.5 for lab works

The mandatory second subject

In accordance with the sample supervision agreement for the doctoral conferral procedure at the Faculty of Physics and Astronomy, the doctoral candidate should also gain in-depth knowledge in an academic subject which does not directly relate to his/her research area (hereafter, called "secondary subject").

The secondary subject is usually a course that is offered at the Faculty of Physics and Astronomy. It is intended to complement the doctoral thesis topics, but be away from this topic sufficiently (usually does not belong to the same field of research). Already credited in

diploma or master or bachelor certificate courses are not admitted as a secondary subject. Doctoral students whose doctoral thesis topics especially benefit from lectures of other faculties can suggest a secondary subject from that particular faculty. The Dean makes the final decision on all admissions. However, the doctoral candidate may ask the Council of the Faculty to reconsider the Dean's decision, which may result in a different out.

The knowledge gained in this secondary subject is to be tested in a colloquium. This should take place within 24 months from the doctoral candidate´s acceptance into the doctoral program, and at the latest before doctoral examination procedures have begun. **Before the colloquium** the secondary subject has to be fixed in the supervising agreement and accepted by the dean.

The generally non-public colloquium in the secondary subject is to be carried out by a university lecturer and by the candidate's university supervisor acting as second assessor. The time frame of the colloquium is at least 30 minutes, but not more than 60 minutes.

Regarding academic content, the candidate is to prove his/her knowledge of a lecture/ seminar having at least 4 semester hours (per week). The colloquium is not evaluated a final grade, but instead via a written statement which attests that the candidate has proven sufficient knowledge in the secondary subject. This written proof is to be presented at the commencement of the doctoral examination procedures.