Activities (carried out or planned) to achieve the learning outcomes stated in the higher education ordinance

Knowledge and understanding
For the degree of doctor the third-cycle student shall

- demonstrate broad knowledge and systematic understanding of the research field as well as advanced and up-to-date specialised knowledge in a limited area of this field
  problem analysis
  publications

- demonstrate familiarity with research methodology in general and the methods of the specific field of research in particular
  peer-reviewed publications
  field/lab work
  thesis
  attending courses

Competence and skills
For the degree of doctor the third-cycle student shall

- demonstrate the capacity for scholarly analysis and synthesis as well as to review and assess new and complex phenomena, issues and situations autonomously and critically
  literature seminars
  problem analysis
  reading/writing articles & thesis
  details about the project

- demonstrate the ability to identify and formulate issues with scholarly precision critically, autonomously and creatively, and to plan and use appropriate methods to undertake research and other qualified tasks within predetermined time frames and to review and evaluate such work
  reading/writing articles & thesis
  follow individual study plan
  plan studies/fieldwork
  writing applications

- demonstrate through a dissertation the ability to make a significant contribution to the formation of knowledge through his or her own research
  writing thesis
  stakeholder interaction
  details about the project
demonstrate the ability in both national and international contexts to present and discuss research and research findings authoritatively in speech and writing and in dialogue with the academic community and society in general

- present at conferences/summerschools
- PhD seminars
- Defending thesis
- Popular science articles/presentations

- demonstrate the ability to identify the need for further knowledge

- selecting courses/conferences
- approaching colleagues
- stakeholder interaction
- details about the project

- demonstrate the capacity to contribute to social development and support the learning of others both through research and education and in some other qualified professional capacity

- teaching course
- teaching
- co-supervision of students
- popular science articles, popular science lectures

Judgement and approach

For the degree of doctor the third-cycle student shall

- demonstrate intellectual autonomy and disciplinary rectitude as well as the ability to make assessments of research ethics

- introduction course
- additional courses
- conference attendance
- publications
- critical assessment of own results

- demonstrate specialised insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used

- introduction course
- popular science lectures/articles
- critical attitude towards own results
- stakeholder interaction