**Doctoral student’s self-analysis**

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Doctoral programme in Life and Earth Sciences, specialisation Choose

**Introduction**

Doctoral students are expected to complete all learning outcomes and mandatory activities of the programme. The competences self-analysis does not cover the learning outcomes directly related to completing the doctoral thesis but focuses on learning outcomes related to transferable skills.

The programme learning outcomes describe the competences that doctoral students should acquire during their studies. To make sense of the learning outcomes via specific skills, we advise you to consult the competences frameworks presented in the [guide](https://ut.ee/en/content/doctoral-students-self-analysis). The acquisition of competences must be described through specific activities.

The competences self-analysis form is a tool that helps doctoral students prepare their individual plan, annual period plans and progress review reports. Read the learning outcomes of your programme’s research, development and creative work module and study module in the SIS. You may adapt the tables and add more information as needed.

**Programme learning outcomes**

After completing the programme, the doctoral student:

* will excel in their field of research in terms of knowledge and skills, publish original research results in international peer-reviewed publications, and be up to date with their speciality’s latest research trends;
* will interrelate and develop their research field’s research methods, be able to pose hypotheses and plan and conduct experiments to test the validity of hypotheses, understand the content and scope of interdisciplinary knowledge and research methods;
* will be able to analyse, synthesise and evaluate knowledge-rich and novel ideas, identify and formulate research questions and will be able to see how the results of their research could be applied;
* will be clear, logical and understandable in both their oral and written communication;
* will be ethical in their conduct, and follow good research practice and other best practice guidelines put forth by the university, good data management practice, and intellectual property and data protection policies;
* will initiate, plan, apply and critique research and development work, as well as being able to give and receive constructive feedback;
* will be independent, creative and innovative in academic work, and capable of making strategic decisions;
* will have acquired management and teamwork skills, and when carrying out teamwork, will be open, flexible, and proactive;
* will be able to evaluate their own needs for self-improvement;
* will pass on their knowledge through teaching, supervision or other means in both an educational and scientific context, and actively participate in the promotion of their speciality.

**Self-analysis table**

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| **After completing the programme, the doctoral student will** | **Activity*** **that I have already done to acquire the transferable skill,**
* **that I am doing already,**
* **that I plan to do in the future.**
 | **Assess your transferable skills on a scale of 1–4\*** |
| 1. **Research, development and creative activities**
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| initiate and plan research and development projects which lead to new knowledge and solutions |  |  |
| be able to debate and present their research results at international scientific events |  |  |
| be able to give evaluations concerning research ethics, and will understand the responsibility of creating and using research results |  |  |
| be able to evaluate the impact of scientific achievements in the wider societal context and will participate in the popularisation of their speciality |  |  |
| be capable of taking strategic decisions and of working independently in an international work or academic environment |  |  |
| have good communication, management and teamwork skills |  |  |
| be able to pass on their knowledge through teaching or supervising student work and by promoting their speciality |  |  |
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| 1. **Study activities**
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| analyse and develop their presentation skills, apply good practices relating to both verbal and written academic discussion, and apply recognised principles and methods of giving feedback |  |  |
| be able to analyse and substantiate choices relating to research ethics, intellectual property rights, data protection and data maintenance |  |  |
| be able to analyse and interrelate different methods of teamwork and management (both on an organisational and personal level) |  |  |
| be able to analyse and inter-relate the knowledge necessary for teaching, supervising, or promoting their speciality |  |  |
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\*1: no or poor, 2: moderate, 3: good, 4: outstanding