

**NGE008F, Introduction for Doctoral Students in  
Geology and in Physical Geography and  
Ecosystem Science, 3 credits**  
*Introduktion för doktorander i geologi och i  
naturgeografi och ekosystemvetenskap,  
3 högskolepoäng*  
Third Cycle/Forskarnivå

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### Confirmation

This course syllabus was confirmed by The Research Programmes Board at the Faculty of Science 12 December 2022. The course is in the third cycle and amounts to 3 credits.

The course syllabus is formally approved in Swedish. This is a translation.

### Learning outcomes

On completion of the course, participants shall be able to:

#### Knowledge and understanding

- Discuss some of the important aspects of being a successful scientist.
- Learn techniques to become a better scientist.
- Understand ethical behaviour and scientific misconduct.
- Understand the principles of scientific publishing.

#### Competence and skills

- Enhance professional competence.
- Develop effective techniques by which scientific information is communicated.
- Develop the ability to successfully utilise the university's library resources.

#### Judgement and approach

- Assess the role of a scientist in a professional manner.
- Reflect how science communication can affect society.

## Course content

The course consists of the following:

- Discussion of the scientific career
- Oral presentation of own research project
- Oral presentation of an elevator talk
- Techniques to enhance creativity
- Research ethics
- Scientific publishing including research papers and grant applications
- Discussion of diversity
- Library training
- Perspectives of being a doctoral student
- Alternative careers outside of academia

## Forms of instructions

Teaching consists of lectures, seminars, discussions and oral presentations.

## Forms of examination

The assessment is based on participation in lectures, seminars and discussions and individual oral presentations.

## Grades

Possible grades are Pass and Fail. For a grade of Pass, the student must complete all course requirements.

## Language of instruction

The course is given in English.

## Entry requirement

Admission to third cycle studies in geology or physical geography and ecosystem science.

## Additional information

The course is mandatory for doctoral students in the Department of Geology and the Department of Physical Geography and Ecosystem Science, and it is recommended that the course is taken as early as possible in the program.