

## Geological Field Project (I002922)

**Course size** *(nominal values; actual values may depend on programme)*

**Credits 5.0** **Study time 150 h**

**Course offerings in academic year 2025-2026**

A (semester 2) English Gent

**Lecturers in academic year 2025-2026**

Majka, Jaroslaw UPPSALO1 lecturer-in-charge

**Offered in the following programmes in 2025-2026**

International Master of Science in Sustainable and Innovative Natural Resource Management	<b>crdts</b>	<b>offering</b>
	5	A

**Teaching languages**

English

**Keywords**

**Position of the course**

Field experience is vital for a geologist. In this course, you will have the opportunity to participate in a group project with the goal of planning bedrock mapping, implementing that plan and presenting the data collected as a GIS map as well as interpreting the results.

**Contents**

This course gives an opportunity to study the occurrence of rocks in their natural environment. It involves geological mapping including recording lithological and structural data in the field as a team. Present geological maps using for example GIS and make interpretations of field relations in form of a written report.

**Initial competences**

120 credits including participation in Mineral exploration and (1) 90 credits in earth science and 15 credits in chemistry, or (2) 90 credits in physics and 30 credits in earth science, or (3) 90 credits in geology.

Proficiency in English equivalent to the Swedish upper secondary course English 6.

**Final competences**

- 1 On completion of the course, the student should be able to:
  - Describe and record geological observations in the field
  - 2 • Interpret geological evolution and processes from field relations
  - 3 • Present geological data on a map and summarise geological interpretations in a written report.

**Conditions for credit contract**

This course unit cannot be taken via a credit contract

**Conditions for exam contract**

This course unit cannot be taken via an exam contract

**Teaching methods**

Seminar, Excursion, Lecture

**Extra information on the teaching methods**

Introductory classes and seminars followed by group fieldwork.

**Study material**

None

## References

- Lisle, Richard J. et al., Basic geological mapping, 5th ed., Chichester, West Sussex, Wiley-Blackwell, 2011 Compulsory\*
- Fry, Norman, The field description of metamorphic rocks, Chichester, Wiley, 1984
- McClay, Kenneth R., The mapping of geological structures, Milton Keynes, Open University, 1987
- Jerram, Dougal; Petford, Nick, The field description of igneous rocks, 2nd ed., Chichester, West Sussex, Wiley-Blackwell, 2011

\* Compulsory

## Course content-related study coaching

### Assessment moments

end-of-term and continuous assessment

### Examination methods in case of periodic assessment during the first examination period

Participation, Written assessment, Assignment

### Examination methods in case of periodic assessment during the second examination period

Participation, Written assessment, Assignment

### Examination methods in case of permanent assessment

Participation, Written assessment, Assignment

### Possibilities of retake in case of permanent assessment

examination during the second examination period is possible in modified form

### Extra information on the examination methods

Assessment will be based upon geological map and written report.

If there are special reasons for doing so, an examiner may make an exception from the method of assessment indicated and allow a student to be assessed by another method. An example of special reasons might be a certificate regarding special pedagogical support from the disability coordinator of the university.

This course will involve contribution to 25% of the course costs such as travel and accommodation.

### Calculation of the examination mark