GHENT UNIVERSITY

Course Specifications

Valid as from the academic year 2024-2025

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 2024-2025

A (semester 2) English Gent

Lecturers in academic year 2024-2025

Majka, Jaroslaw UPPSALO1 lecturer-in-charge

Offered in the following programmes in 2024-2025	crdts	offering
International Master of Science in Sustainable and Innovative Natural Resource Management	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, 2011Compulsory*
- 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