

Geosource Exploration and Characterisation (I002191)

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

Credits 5.0 **Study time** 150 h **Contact hrs** 45.0h

Course offerings in academic year 2022-2023

A (semester 2) English Gent

Lecturers in academic year 2022-2023

Jeanneret, Pauline UPPSAL01 lecturer-in-charge
Dewaele, Stijn WE13 co-lecturer

Offered in the following programmes in 2022-2023

	crdts	offering
International Master of Science in Sustainable and Innovative Natural Resource Management	5	A

Teaching languages

English

Keywords

Position of the course

Contents

This course will present the characteristics of natural resources and their formation. Exploration will be approached from geological and geochemical perspectives. Geological exploration will focus on host rocks, alteration and geological structures of ore deposits. Geochemical exploration will cover till, soil and stream geochemistry, as well as alteration vectors. Aspects of economic geology and resource use will be integrated throughout the course.

Initial competences

Same as programme

Final competences

- 1 able to: Describe the natural form and occurrence of resources in Earth's crust.
- 2 able to: Explain the processes of formation of different ore deposit types.
- 3 able to: Describe geological and geochemical methods of exploration.
- 4 able to: Discuss the economics of natural resources and importance of resources for society.

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

Practicum, Lecture

Extra information on the teaching methods

Lectures, seminars, case based learning and practical exercises

Learning materials and price

References

Course content-related study coaching

Assessment moments

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

Written examination, Oral examination

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

Written examination, Oral examination

Examination methods in case of permanent assessment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible

Extra information on the examination methods

This course will be examined by a seminar presentation and a written examination.

Calculation of the examination mark