

Problems and Innovations in the Process Chain of Mineral Resources (I002768)

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

Credits 4.0 **Study time 120 h** **Contact hrs** 60.0h

Course offerings in academic year 2022-2023

A (semester 1) English Gent

Lecturers in academic year 2022-2023

Bertau, Martin FREIBE01 lecturer-in-charge

Offered in the following programmes in 2022-2023

	crdts	offering
International Master of Science in Sustainable and Innovative Natural Resource Management	4	A

Teaching languages

English

Keywords

Position of the course

Contents

1. Introduction of lecturers, companies, and students by short talks.
Later social events will force the team building.
2. 5 Lectures on the process chain (Preprocessing technologies, (Bio-)Leaching, Separation processes, Hydrometallurgy, Process analysis) in combination with seminars to form working groups on individual topics.
3. Excursions and field trips, company talks and lectures.

Initial competences

Final competences

- 1 able to explain real world problems in the process chain of special resources
- 2 have an understanding about how different sectors have to interact to form a working unit in research
- 3 able to highlight innovative solutions on current issues in industries and to discuss still occurring problems in order to create an idea of entrepreneurship for various fields of the here outlined process chain

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

Group work, Seminar, Excursion, Lecture

Learning materials and price

References

Course content-related study coaching

Assessment moments

end-of-term assessment

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

Report

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

Report

Examination methods in case of permanent assessment**Possibilities of retake in case of permanent assessment**

examination during the second examination period is possible

Calculation of the examination mark