

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

Course offerings in academic year 2023-2024

A (semester 1)

English

Gent

Lecturers in academic year 2023-2024

Bertau, Martin

FREIBE01 lecturer-in-charge

Offered in the following programmes in 2023-2024

[International Master of Science in Sustainable and Innovative Natural Resource Management](#)

crdts

4

offering

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

null

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

Excursion, group work, lecture, seminar

Learning materials and price

References

Course content-related study coaching

Evaluation methods

end-of-term assessment

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

Assignment

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

Assignment

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible

Calculation of the examination mark