

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

Due to Covid 19, the education and assessment methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

**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 2021-2022**

A (semester 1)

English

Gent

**Lecturers in academic year 2021-2022**

Bertau, Martin

FREIBE01

lecturer-in-charge

**Offered in the following programmes in 2021-2022**

**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**