

Environmental risk analysis and management (I002480)

Due to Covid 19, the education and evaluation 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 3.0 Study time 90 h Contact hrs 30.0 h

Course offerings in academic year 2020-2021

A (semester 2) English Gent

Lecturers in academic year 2020-2021

Nachtnebel, Hans-Peter

WIEN03 lecturer-in-charge

Offered in the following programmes in 2020-2021

[International Master of Science in Soils and Global Change \(main subject Soil Biogeochemistry and Global Change\)](#)

crdts offering

3 A

Teaching languages

English

Keywords

Position of the course

Contents

- Elements of a risk based approach
- Expression of risk
- Risk Management and Assessment
- Reliability Analysis
- Event Trees
- Sources and Expression of Uncertainties
- Decision Making under Uncertainty
- Case Studies

Initial competences

no previous knowledge expected

Final competences

The basic principles for the identification, assessment and management of environmental risks will be elaborated.
Environmental risk comprises a set of tools for the evaluation of social, economic and environmental damages.

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

Lecture

Learning materials and price
online course materials

References

Course content-related study coaching

Evaluation methods

end-of-term evaluation

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

Written examination

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

Written examination

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