

Environmental Risk Analysis and Management (I002480)

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

Credits 3.0 **Study time** 90 h **Contact hrs** 30.0h

Course offerings in academic year 2022-2023

A (semester 2) English Gent

Lecturers in academic year 2022-2023

Nachtnebel, Hans-Peter WIEN03 lecturer-in-charge

Offered in the following programmes in 2022-2023

	crdts	offering
International Master of Science in Soils and Global Change (main subject Soil Biogeochemistry and Global Change)	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****Assessment moments**

end-of-term assessment

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

Written examination

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

Written examination

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