

## 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 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

	<b>crdts</b>	<b>offering</b>
<a href="#">International Master of Science in Soils and Global Change (main subject Soil Biogeochemistry and Global Change)</a>	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**