

## Valuation Methods for Natural Resources (I002481)

**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**

Morawetz, Ulrich      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**

This course introduces students to core theoretical concepts and methodological approaches needed in the study of environmental and resource economics with an emphasis on valuation.

**Contents**

This lecture based course will cover the basic concepts and methods underlying research on externalities, environmental valuation, and urban spatial structure. There will be particular emphasis on the way in which applied researchers approach and solve problems. The course is divided into sequenced methods oriented components to introduce the foundational methods and applied work in environmental economics. Additional discussion and readings will focus on the intersections and complementarities between these sets of research methods. At the end of this course, you should have the theoretical foundation and familiarity with applied methods to evaluate and critically examine research in the fields of environmental and resource economics.

**Initial competences**

It is assumed that students have completed at least one introductory course in microeconomics and either statistics or econometrics, and are comfortable with differential and integral calculus.

**Final competences**

- 1 Upon completion of this course, students will:
  - Be familiar with the concepts and foundations of welfare economics
- 2 Be able to explain differences in economic valuation approaches
- 3 Analyze and interpret market and non-market valuation results
- 4 Apply welfare economic approaches to real-world policies
- 5 Read and synthesize papers in applied welfare economics

**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**

## **References**

Phaneuf, Daniel and Requate, Till (2017) A course in Environmental Economics. Theory, Policy, and Practice.

## **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**