

- Faculté des sciences économiques
- [www.unine.ch/seco](http://www.unine.ch/seco)

### Environmental economics (5ER2023)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
<b>Master en développement international des affaires</b>	<b>Cours: 2 ph</b>	Voir ci-dessous	3
<b>Master en économie appliquée</b>	<b>Cours: 2 ph</b>	Voir ci-dessous	3
<b>Master en finance</b>	<b>Cours: 2 ph</b>	Voir ci-dessous	3
<b>Master of Science en innovation</b>	<b>Cours: 2 ph</b>	Voir ci-dessous	3

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

#### Période d'enseignement:

- Semestre Printemps

#### Equipe enseignante

Prof. Nicole A. Mathys  
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#### Contenu

This course gives an overview and provides an introduction to sustainable development and the methods of economic analysis for environmental issues. Concepts, models and their applications to pollution control and global environmental problems such as climate change are discussed.

#### Forme de l'évaluation

Face-to-face modality:

- 2h written exam during the exam session at the end of the semester (100%)
- No documents or connected objects allowed. Any violation of these rules will be considered as fraud, leading to the withdrawal of unauthorized items and possibly exam failure

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Remote modality:

- 1h written exam on Moodle test during the exam session at the end of the semester (100%)
- Open book

#### Modalités de rattrapage

Face-to-face modality:

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Remote modality:

- 1h written exam on Moodle test during the exam session (100%)
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#### Documentation

- Perman, Roger, Michael Common, James McGilvray and Yue Ma, Natural Resource and Environmental Economics, Addison-Wesley, 4th edition, 2012.
- Additional readings provided during lectures and made available on Moodle

#### Pré-requis

Students have to be familiar with basic microeconomic concepts and statistical techniques.

#### Forme de l'enseignement

2-hour lecture

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### **Environmental economics (5ER2023)**

#### **Objectifs d'apprentissage**

Au terme de la formation l'étudiant-e doit être capable de :

- Recognise the main possibilities and problems related to economic policy in environmental economics
- Assimilate relevant information from papers
- Synthesise and discuss research papers in class
- Employ an interdisciplinary approach to environmental problems
- Apply abstract analytical frameworks to real-world issues
- Identify and take into account key particularities of environmental economics
- Recommend instruments for policy making
- Differentiate relevant from non-relevant information
- Judge the value added, limitations and caveats of approaches
- Evaluate existing theories and empirical evidence

#### **Compétences transférables**

- Apply knowledge to new situations