

- Faculté des sciences économiques
- www.unine.ch/seco

Sustainable Development Economics (5ER1021)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Bachelor en sciences économiques, orientation durabilité	Cours: 2 ph	Voir ci-dessous	3
Bachelor en sciences économiques, orientation économie	Cours: 2 ph	Voir ci-dessous	3
Bachelor en sciences économiques, orientation management	Cours: 2 ph	Voir ci-dessous	3
Bachelor en systèmes naturels	Cours: 2 ph	Voir ci-dessous	3
Bachelor of Science en économie et sport	Cours: 2 ph	Voir ci-dessous	3
Master en finance	Cours: 2 ph	Voir ci-dessous	3
Pilier B A - économie	Cours: 2 ph	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

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Contenu

The course examines economic perspectives on sustainable development. It covers core sustainability concepts, the economics of natural resources (including depletable and renewable resources), consequences of climate change as well as methods for valuing environmental goods and ecosystem services. It emphasizes economic theory and empirical evidence to analyze trade-offs between economic efficiency, environmental protection, and intergenerational equity.

Forme de l'évaluation

Final written exam during the exam session at the end of the semester (2h, 100%)

Neither documents nor connected devices are permitted during the exams. Non programmable calculators are authorized. In case of violation of these rules, the students are in situation of fraud and the unauthorized items will be removed. The exam could be deemed as failed.

Modalités de rattrapage

Re-take exam: written exam during the exam session (2h, 100%)

Neither documents nor connected devices are permitted during the exams. Non programmable calculators are authorized. In case of violation of these rules, the students are in situation of fraud and the unauthorized items will be removed. The exam could be deemed as failed.

Documentation

Grether, J.M. and Martinez-Zarzoso, I. (2025), Principles of Sustainability Economics - Identifying the Gordian Knots. Cambridge Scholars Publishing.

Tietenberg, T. and L. Lewis (2023), Environmental and Natural Resource Economics, 12th Ed, Pearson Education, New Jersey.

Pré-requis

Microéconomie 1 or Introduction à l'économie politique

Forme de l'enseignement

2h courses per week

Objectifs d'apprentissage

- Faculté des sciences économiques
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Au terme de la formation l'étudiant-e doit être capable de :

- Judge the appropriateness and the limits of state intervention
- Discuss efficiency conditions
- Explain the economic cost-benefit approach
- Describe simply but efficiently complex socio-environmental problems
- Identify externalities and departures from socially optimal exploitation
- Synthesise economic analysis and policy recommendations

Compétences transférables

- Act on the basis of an ethical reasoning
- Carry out a critical analysis