

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

### Global change and restoration ecology (3BL2274)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
<b>Master en biologie</b>	<b>Cours: 30 pg</b>	Voir ci-dessous	3

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

#### Période d'enseignement:

- Semestre Automne

#### Equipe enseignante

Prof. Edward Mitchell

#### Contenu

The course includes presentation, group discussions and personal work on selected topics in the general themes of Global Change and Restoration Ecology.

Three field excursions will allow us to see practical examples of ecosystem restoration in Switzerland and discuss with practitioners about the challenges of such initiatives.

Students will conduct small projects in which they synthesise existing knowledge on one aspect of global change and restoration ecology, present their work and write a personal essay.

#### Forme de l'évaluation

The student's essays and presentations will be graded (the grade will be calculated as 2/3 essay and 1/3 presentation).

First attempt:

Evaluation criteria: Students perform small personal projects. They then write a report (3 pages two-sided, ca. 3000 words excluding tables and figures) which will contain the main results, an analysis and interpretation of the data following the guidelines provided during the course.

The reports will be evaluated based on the following criteria:

Quality of the presentation, readability of the text and illustrations, legends of graphs and tables, etc.

Scientific content, pertinence of numerical analyses and interpretation of results, discussion of results, limitations of the methods, perspectives.

Deadline: The reports are due one week after the last course.

Second attempt:

If the results of the first attempt is below 4 and not compensated in the module, students have to contact the responsible of the evaluation at the end of the session in order to be evaluated in a the second attempt.

The second attempt consists in a revision of the previous report based on the feedback of the professors and on a revised oral presentation.

The revised version of the report should be submitted at latest one week before the beginning of the following exam session. The oral presentation would be organized with the responsible of the evaluation.

Evaluation criteria for the second attempt will be the same as for the first.

#### Documentation

Lecture documents, scientific articles and other relevant literature will be provided. Students are also expected to do their own literature research on the topic of the choice.

#### Pré-requis

Basis of ecology

- Faculté des sciences
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## **Global change and restoration ecology (3BL2274)**

### **Forme de l'enseignement**

The course includes presentation, group discussions and personal work.

For the objectives see Moodle.

### **Objectifs d'apprentissage**

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

- Criticise constructively existing actions aiming to solve environmental problems
- Evaluate different components of global change and evaluate how they contribute to the current biodiversity decline
- Formulate practical recommendations to solve environmental problems
- Describe an example of environmental problem, its causes and what attempts have been made to solve the problem

### **Compétences transférables**

- Criticise the work of other students/peers
- Recommend practical measures to solve environmental problems
- Identify strengths and weaknesses in actions and actions plans with respect to their likelihood of success
- Integrate criticisms to revise a report
- Synthesise criticisms (reviews) of a report