

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

### Seminar ecology and biodiversity (3BL2192)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
<b>Master en biologie</b>	<b>Séminaire: 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. Daniel Croll, Prof. Sergio Rasmann, Prof. Clara Zemp, Dr. Matthieu Mulot

#### Contenu

The topics of discussion include:  
Phylogeography and Biogeography;  
Genetic, species and functional diversity and ecosystem functioning;  
Biodiversity and conservation;  
Eco-evolutionary dynamics;  
Host-pathogen interactions

#### Forme de l'évaluation

Graded continuous assessment.

The final grade will be based on article presentations (individual presentations), the writing of an essay, as well as participation in the active discussion of presented articles.

If the final mark is insufficient and results in a failure, the student will have to prepare one critical essay (4-5 pages) on one of the topics discussed during the course. The essay should be handed in two weeks before the exam session for which a second attempt is made. In addition, the student will pass an oral exam of 30' scheduled during the exam session. A failure to hand in the critical essay or an unjustified absence from the oral exam constitutes a second and definite failure from the course.

#### Documentation

Articles to be discussed will be made available via the Moodle. You will also find a link to a shared Google sheet that will allow you to enter your questions prior to each seminar

#### Pré-requis

Reading of publications before seminar: Posting a question before the start of the seminar.

#### Forme de l'enseignement

Seminar

#### Objectifs d'apprentissage

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

- Compare research methodologies
- Summarize key messages
- Analyse evidence presented in scientific articles
- Evaluate the strength of arguments
- Synthesise developments in major fields of ecology and biodiversity
- Discuss a current scientific topic as an essay
- Present a scientific article

#### Compétences transférables

- Explain complex findings
- Present effectively to other scientists
- Write a scientific text

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

**Seminar ecology and biodiversity (3BL2192)**