

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

Ecological interactions (3BL2276)

| Filières concernées | Nombre d'heures | Validation | Crédits ECTS |
|---------------------------|---------------------|-----------------|--------------|
| Master en biologie | Cours: 30 pg | 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

Betty Benrey

Contenu

Ecological interactions among organisms of the same and different species have been the focus of numerous ecological and evolutionary studies. Students will become familiar with the history of research into ecological interactions and with recent advances and the "hottest topics" in this research field. Furthermore, students will gain an understanding of the role of trophic interactions in shaping communities and ecosystems, including potential problems caused by invasive species.

Forme de l'évaluation

CA graded :The course will be evaluated based on three elements with the following weights:

1. 50% Active participation in article discussions, preparation of questions for each article discussion and lecture attendance individual grade on paper presentation and summaries of articles.

2. 20% Presentation of the planned research proposal (see guidelines on Moodle for more details)

3. 30% Research proposal on a relevant topic discussed in class (see guidelines on Moodle for more details) This is a group grade on research proposal based on: scientific quality, originality, presentation and written proposal.

If the student fails, I will give an oral exam at a specified date to be validated at following exams session.

Documentation

Relevant literature as well as lecture material will be made available on the server

Pré-requis

Bachelor courses in Ecology

Forme de l'enseignement

The course will combine formal lectures, readings from the primary literature and group discussions

Objectifs d'apprentissage

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

- Recognise key issues
- Discuss research in the field
- Review selected past and current research in the field
- Integrate information from different disciplines in ecology
- Communicate scientific research

Compétences transférables

- Formulate testable hypothesis with sound scientific questions
- Integrate knowledge from different disciplines
- Apply basic knowledge to applied issues in ecology