

- Faculté des sciences
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### Ecological interactions (3BL2276)

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 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

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.

#### 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