- Faculté des sciences
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Parasitoid-host Interactions (3ZL2039)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en biologie	**Cours: 3 ph**	**controle continu: 1**	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

Objectifs:

The students will get an overview of the ecology and evolution of parasitoid-host interactions

Contenu:

Parasitoids are insects that parasitize and kill other insects. Host-parasitoid interactions have been the focus of numerous ecological and evolutionary studies. In this course we will focus on these interactions as models to explore concepts and general principles in population, behavioral and community ecology, such as: local mate competition, density-dependent mortality, life-history strategies, sex allocation, optimal foraging, host manipulation, trophic cascades and biological control.

Forme de l'évaluation:

Contrôle Continu: The final mark will be based on: oral presentation of selected papers, written report of lab activities, class participation and short essay. If the student fails, an oral exam will be given on a selected topic. The date of the exam will be discussed with the student and will take place during the Fall semester.

Documentation:

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

Pré-requis:

Students have to be registered in the master of Biology at Neuchâtel

Forme de l'enseignement:

The course will combine formal lectures, readings from the primary literature and practical labs to test some of the predictions of ecological and behavioral models