

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

Faunistic methods (3BL2279)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en biologie	Cours: 3 j	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

This is a team-taught course. The collaborators of info fauna are responsible for the content; experts will supervise the individual projects. For administrative and organizational question please contact Christophe Praz.

Contenu

In this course, you will learn how to survey animal populations. To do so, you will undertake a survey yourself (in a small team). For the survey, you will first define a scientific question and a hypothesis. Then you will design the survey, undertake the survey, analyse the results, present the results to the class, and write a report. There will be several short lectures and a joint session for data analysis.

For the project, each group can choose one out of several proposed topics covering different faunistic groups, such as invertebrates, amphibians or mammals. Students also have the possibility to propose a different project based on their own interest. Each group is supervised by one expert, who will help them to design and conduct the project. Most projects will consist in obtaining data on the presence/absence or abundance of one (or a few) animal species and examining one specific question in conservation (impact of habitat management practice, pollution, restoration methods). Students are expected to be able to travel to field sites on their own.

Students will perform field work independently; the time needed for the field work will correspond to two full days or 16 hours. While we meet only a few times in class, time is required to do field work, analyse data, prepare the presentations and the reports. Depending on the project and species, field work will take place during the day or the night. Field work can depend heavily on weather conditions, making planning difficult. This should be taken into account when choosing a project.

The report will take the form of short presentation (project proposal and presentation on the completed project(and a report, both of which will be graded by the teaching team.

Note that parts of this course may be given in French, depending on the projects and the expert. There will however be projects which will entirely be supervised in English.

Forme de l'évaluation

Continuous Assesment (graded) during the semester.

Oral presentations and written report. Each part will be graded and the average of the grades will constitute the final grade. If the final grade is below 4.0 and not compensated in the module, the students will need to improve the report based on the feedback received.

In case of insufficient grade, the reexamination must be registered at one exam session, same year and coordinated with professor (not in Pidex, contact the professor).

Forme de l'enseignement

Lectures and data analysis session, discussion meeting with supervisor, independent field work, data analysis, presentation, report writing.

Objectifs d'apprentissage

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