

- Faculté des sciences
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### Faunistic methods (3BL2279)

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

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

This practical lecture has two aims. First, to briefly present faunistic methods commonly used for different groups of animals (one day or two half days, in the field, at the beginning of the semester). Second, each student will work in groups of two and conduct a practical faunistic project, including statistical design, collection of data and data analysis.

For the practical project, each group can choose one out of 5 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 or abundance of one or a few endangered 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. At the end of the semester, one afternoon will be dedicated to data analysis conducted with all students together. The report will take the form of a short presentation 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 presentation and written report. Each part will be graded and the average of the two 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

Introduction during one day in the field; individual projects performed in teams of two under supervision of one expert; data analysis during one afternoon in class at the end of the semester.

#### Objectifs d'apprentissage

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

- Interpret the results
- Design and perform independently a small research project
- Examine Different Methods commonly used in faunistics
- Analyse the data that you collected
- Draw conclusions regarding the conservation of the target species