

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

Animal conservation (3BL2275)

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

This is a team-taught course. The collaborators of info fauna are responsible for the content and have invited specialist guest lecturers to talk about the group of animals that they know best. For administrative and organizational question please contact Christophe Praz.

Contenu

The lecture introduces the students to the conservation of major animal groups in Switzerland; there is also a general introduction and a lecture on the habitats (based on the plant communities). The groups that will be discussed are: Reptiles (4 hours), amphibians (4 hours), mammals [2 hours; in addition there will be special lectures on bats (2 hours) and the beaver (2 hours)], insects [4 hours; special lecture on odonates (2 hours), syrphid flies (2 hours), and macrozoobenthos (2 hours)].

For each group, the following topics will be discussed:

- species diversity
- methods to study the group
- typical habitats
- status of the group (declines, Red List status)
- main threats
- conservation actions suitable for the group

Forme de l'évaluation

We expect the students to understand and be able to cite the specific threats for each animal group presented. It is not necessary to remember specific details on every species (vertebrates) or groups of species (invertebrates) presented during the lecture. What is important is to understand how the biological specificities of each group translates into threats and targeted conservation measures.

The evaluation consists of two parts.

Part 1. Every student sends 3 questions for every taxonomic group/topic (reptiles, amphibians, mammals, habitats, bats, insects, syrphids, dragonflies, macrozoobenthos, beaver) to christophe.praz@unine.ch. The questions should deal with the specific threats for each animal group presented and how the biological specificities of each group translate into threats and targeted conservation measures. For the lecture on habitats, questions should focus on the main threats to each habitat type and on the different aspects presented in the class. The questions will be graded by the lecturers and contribute 25% of the total grade.

The questions should be sent at the latest on Monday the 25th of May. If no questions are received on this date, the grade for Part 1 will be 1.0.

Part 2. 2-hour written exam on 29th May 2020. No material (in particular PDF of lecture presentations) is allowed. The questions will be selected from ones submitted in part 1 (the questions may be edited for clarity). If there are no good questions submitted by the students, the lecturers will write their own questions. The exam will contribute 75% of the overall grade.

Second attempt: if the final grade is below 4.0, the students have the possibility of repeating part 2 of the exam during the summer. The date will be communicated to the students during the month of June (not in PIDEX!).

Forme de l'enseignement

Lectures. A few lectures will be given in French (slides in English). Please contact Christophe Praz if you need some additional help for language reasons.

Objectifs d'apprentissage

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

- Examine the conservation issues in different animal groups
- Compare practical solutions applicable to each group