

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

Advanced behavioural physiology (3BL2309)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en biologie	Cours: 28 pg	Voir ci-dessous	3
Master en sciences cognitives	Cours: 28 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

Prof Zegni Triki

Contenu

This advanced course delves deeper into the physiological mechanisms underlying animal behavior, with a focus on experimental approaches and real-world applications. It combines theoretical lectures with hands-on laboratory training and interactive workshops. Students will explore complex topics such as neural circuit function, hormonal modulation of behavior, sensory-motor integration, and behavioral plasticity. Workshops will foster critical thinking and collaborative problem-solving around current research questions in behavioral physiology. This course is ideal for students aiming to pursue research or applied work in neuroscience, ethology, or animal physiology.

Forme de l'évaluation

Continuous assessment:

10% participation in group discussions;
40% performance in workshops and student presentations;
50 % individual assignment: Students will complete an individual assignment consisting of a critical essay on a topic covered during the course. The essay should demonstrate analytical thinking, integration of course material, and critical engagement with relevant literature. Topics will be selected from those presented throughout the course.

The deadline for submitting the individual assignment to be evaluated for the June exam session is the 1st of June, and the 20th of August to be evaluated for the August-September exam session. Failure to do so will lead to failure of the first attempt. The deadline for submission to pass the second attempt is January 15 of the following year.

Modalités de rattrapage

The deadline for submission to pass the second attempt is January 15 of the following year.

Documentation

All course materials will be available on Moodle.

Pré-requis

Students are expected to have a moderate background in behavioral ecology, animal physiology, experimental design, and statistics. While the 3rd-year Bachelor's course Physiologie Comportementale provides a strong foundation, it is not a strict prerequisite for enrollment.

Forme de l'enseignement

Interactive Teaching Methods:

The course uses a mix of short lectures, Q&A sessions, student presentations, and workshops to encourage active participation and deepen understanding.