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Behavioural ecology (3BL2208)

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. Erica van de Waal, Dr. Alba Motes Rodrigo and invited speakers

Contenu

This graduate level course will familiarize students with topics, research methods, and study design in behavioural ecology. The first of the seven classes will consist of an introduction to the course and a brief crash course on experimental and statistical design in behavioural ecology. Students will learn how to ask a research question, formulate hypotheses and predictions, and propose an experimental and statistical design to address the research question. During the remainder of the classes, students will be asked to read two scientific papers per class and prepare a short project proposal, in groups of 3-4, outlining an experimental study that will further our understanding of the subject addressed in the assigned readings. The author of the scientific papers will be invited to give a short summary of the studies at the beginning of the class (15-20 min); students will present their proposed follow-up study and get feedback from the instructor and the guest speaker.

Forme de l'évaluation

CA graded combined with 2 other courses.

Group assignments: best 3 marks will be kept for the final mark.

Group assignments submitted by students prior to each class will be marked before the following week's class. Students can submit up to 5 group assignments, with the best 3 counting towards the group assignment grade (each assignment is 20% of the total grade for the class).

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

Moderate knowledge of behavioural ecology, experimental design, and statistics. A crash course will be provided during the first lecture, along with resources.

Forme de l'enseignement

Lectures, presentations by the instructor and guest speakers, informal student presentations, Q&A, class discussion, and independent work in groups.

Objectifs d'apprentissage

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

- Illustrate concepts
- Prepare content
- Structure ideas
- Evaluate scientific papers
- Question methods and approaches
- Present proposals
- Explain decisions

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Compétences transférables

- Synthesise knowledge
- Write clearly and concisely
- Explain arguments
- Apply statistical concepts
- Solve problems
- Communicate with peers