

- Faculté des sciences
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Tackling environmental problems in the field (3BL2255)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en biologie	Cours: 2	contrôle continu: 1	4

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

Période d'enseignement:

- Semestre Printemps

Equipe enseignante:

MER Dr. Alex Aebi

Objectifs:

The objectives of this course are to understand and apprehend the complexity of environmental problems in the field. An interdisciplinary approach, mobilizing concepts and tools in biology and in anthropology will be used to understand the complexity of the proposed environmental problem, to understand how it is perceived by practitioners and to propose recommendations to mitigate it by taking into account the social dimension of the problematic.

Contenu:

During this course, we will describe the biology of the invasive spotted-wing drosophila, *Drosophila suzukii* by a survey of the scientific literature. Special attention will be given on the methods proposed by researchers to reduce the impact of this fruit fly causing dramatic damages on several fruits. Semi-directed interviews and participatory observation (common methods in anthropology) will be mobilized to understand the practitioners' understanding of the problem and to identify possible disagreement between the proposed solutions and the reality on the field. Data will be analysed and summarized in a leaflet that will be distributed to the participant of this study.

Expectations: This course is characterized by irregular lectures and fieldwork. A high degree of autonomy and a great sense of responsibility are required. Presence to the course is compulsory (except in obvious situations such as sickness etc.). Deadlines (for exercises) are fix and cannot be moved. This course implies working in a group. Please make sure you arrive on time at lectures. Courses start at 14h15.

Forme de l'évaluation:

Evaluation mode: You will be evaluated on your active participation to the courses (readings, presentations, interviews and data analyses) and on your capacity to work in a team and to organize yourselves. At the end of the semester you will present your result in the form of a leaflet that will be sent to the people you contacted in the field. An electronic folder with all the analysed material (interview notes, recordings, literature mobilized, etc.) will be delivered to Alex Aebi (alexandre.aebi@unine.ch). The folder with raw data and the leaflet will be used for the evaluation of the group. The deadline for the delivery of the folder and the leaflet is the 3rd of June 2016. If the work is judged as insufficient, a second version of the leaflet will have to be delivered on the 1st of July 2016. The grade will then be notified on IS-academia. If the work is once again judged as insufficient, a third version of the leaflet will have to be delivered on the 5th of August 2016. The grade will then be notified on IS-academia.

Documentation:

A list of obligatory reading will be distributed at the beginning of the semester.

Pré-requis:

Aucun

Forme de l'enseignement:

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