

- Faculté des sciences
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### Seminar ecology and sustainability (3BL2287)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
<b>Master en biologie</b>	<b>Séminaire: 30 pg</b>	Voir ci-dessous	3

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

#### Période d'enseignement:

- Semestre Automne

#### Equipe enseignante

Prof. Joop Vermeer, Prof. Pilar Junier, Prof. Ted Turlings, Prof. Felix Kessler, Dr. Mary Clancy, Dr. Joy Collombat

#### Contenu

Seminar course. The students will prepare a presentation choosing a topic from a list of the papers that are proposed by the participating teachers. The papers will explore different approaches that can be used to improve the sustainability of agricultural systems, plant protection and the use of microbes as a source for bio-based solutions. During different sessions, 2 to 3 students will give a 20 min. presentation to show the highlights of the study and will give their critical evaluation. After each presentation there will be a question session and open discussion about the presented paper.

#### Forme de l'évaluation

Continuous assesment graded

#### Modalités de rattrapage

If a student will receive an insufficient grade for their participation, they will need to make a 4-page summary of another paper selected by one of the participating Professors. The 4-page summary will be discussed with the same professor in a 20 min interview.

#### Documentation

List of selected papers will be made available at the start of the course via a Google document.

#### Pré-requis

Bachelor in Biology or related filed.

#### Forme de l'enseignement

Short introductions are given by the teacher, followed by student presentations, followed by general discussions.

#### Objectifs d'apprentissage

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

- Explain experimental design and hypotheses
- Explain biological data
- Prepare a visual presentation
- Criticise scientific results
- Interpret experimental results

#### Compétences transférables

- Interpret scientific results
- Summarize biological studies
- Explain complex biological data
- Communicate scientific results