

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

Plant pathology (3BL2206)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en biologie	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

Dr. Thomas Badet

Contenu

Latest advances in plant pathology and plant microbe interactions more generally. Course animated by group exercises and student presentations of research papers illustrating some of the hot questions in the field. Presented challenges span environmental, mechanistic, evolutionary and translational questions, illustrating the links between plant pathogens, beneficial microbes and the abiotic environment.

Forme de l'évaluation

Continuous Assessment during the course (CA graded):

- 1- Students are expected to actively participate at each course, ask questions and provide critical feedback during discussions and exercises.
- 2- Each student will give a powerpoint presentation on a chosen research paper illustrating recent challenges in the field of plant microbe interactions (<30 min).
- 3- As small groups, students will develop and present a research project they designed to answer one/multiple of the questions in the field of plant microbe interactions (<45 min).

Modalités de rattrapage

Retake attempt in case of failure or grade below 4 not compensated in module:

It will consist in a written summary (max. 2,000 words without references) of the research project they developed filling gaps in the field of plant microbe interactions. It must be registered at the next session and the delivery date must be coordinated with the professor (not in Pidex).

Documentation

Literature will be made available at the beginning of the course.

Forme de l'enseignement

Overview lectures, group exercises and presentations of defined themes by the students.

Objectifs d'apprentissage

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

- Décrire links in the field of plant microbe interactions
- Conceptualiser a research study
- Décrire scientific figures
- Déduire major implications for the field

Compétences transférables

- Recommend possible solutions
- Communicate scientific facts in a generally understandable manner
- Apply basic knowledge for practical solutions