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

Chemical ecology (3BL2297)

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

Pengjuan Zu (Prof.) et assistant.e.s

Contenu

This advanced master’s course unlocks the hidden language of ecosystems through the lens of chemical ecology. While chemistry provides the essential toolkit, our primary focus is on understanding ecological interactions, adaptations, and evolutionary processes. We ask not only "who interacts with whom?" but, more importantly, "why do they interact?".

Chemical communication represents the oldest and most universal form of dialogue on Earth, shaping behavior, defense, reproduction, and community structure across all life forms. In this course, you will learn to see chemical compounds as critical functional traits (akin to morphology or behavior) that determine an organism's survival and success. We demystify the chemistry by treating it as a powerful investigative tool to answer profound ecological questions.

Designed for interdisciplinary collaboration, the course blends theoretical foundations with hands-on practical application, featured with student-driven group research project(s).

Modalités de rattrapage

Catch-up possible. Please contact the teaching team

Documentation

- Students have access to course materials, as well as the scientific articles mentioned, on the Moodle course platform (Sciences/Biology)