

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

Natural substance analysis (3BL2196)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en biologie	Cours: 7 dj	controle continu: 1	3

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

Période d'enseignement:

- Semestre Automne

Equipe enseignante:

Stephan von Reuss, Ted Turlings together with Gregory Roeder, and their assistants

Objectifs:

Introduction of important classes of natural products - Classifications and general structures -
Techniques for detection, isolation and structure elucidation of natural products -
Structure / property relationships

Contenu:

Introduction to natural products chemistry - Standard isolation techniques for natural products - Selected analytical methods including: chromatography (GC, TLC, HPLC), UV-Vis spectrophotometry, Infrared spectroscopy (IR), Mass spectrometry (MS), and Nuclear Magnetic Resonance spectroscopy (NMR).

Forme de l'évaluation:

At the end of each section a short evaluation based on Classroom Assessment Techniques (CAT) will be organized

Documentation:

<https://claroline.unine.ch>

Pré-requis:

University introductory courses on general chemistry, organic chemistry, and analytical chemistry.

Forme de l'enseignement:

Lectures and selected reading,
Laboratory sessions.

URLs	1) https://claroline.unine.ch/
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