



Evolutionary Palaeontology and Lab Techniques



Niveau d'étude
BAC +4



ECTS
3 crédits



Composante
UFR Sciences
Vie Terre
Environnement

Présentation

Description

How to study evolution in the fossil record? And how do living beings contribute to mineralization processes? These two questions stand at the heart of this teaching unit. The main aims are (1) to help students build themselves a robust knowledge on evolutionary patterns and processes as inferred from the fossil record; (2) to present biologically-derived mineralization processes that lead to skeletons, some rocks and to the fossils themselves; (3) To associate cutting-edge research questions with current methods and lab techniques.

Program :

Travaux dirigés :

Evolutionary Palaeontology :

Theory of Evolution, Advanced concepts in Macroevolution, Measuring past biodiversity, Evolution of shapes and Morphological disparity, Phylogeny and the Fossil record, Biogeography, Introduction to Macroecology.

Objectifs

To master key concepts in evolutionary palaeontology

To get acquainted with biologically-derived mineralization processes

To associate modern research questions with methods and lab techniques

To master basic lab techniques

To know how to interpret data acquired in the lab and to replace them in their scientific context



To follow a complete scientific course in English (listening, reading, writing)

To express oneself spontaneously in English

To be able to take notes during lectures in English

Heures d'enseignement

TD	Travaux Dirigés	20h
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Pré-requis obligatoires

UE6 or equivalent, Listening skills in advanced scientific English, Ability to extract key points from scientific texts

Modalités de contrôle des connaissances

Évaluation initiale / Session principale

Type d'évaluation	Nature de l'évaluation	Durée (en minutes)	Nombre d'épreuves	Coefficient de l'évaluation	Note éliminatoire de l'évaluation	Remarques
CC (contrôle continu)	CC : Ecrit et/ou Oral			1		
CT (contrôle terminal)	Ecrit sur table			2		

Seconde chance / Session de rattrapage

Type d'évaluation	Nature de l'évaluation	Durée (en minutes)	Nombre d'épreuves	Coefficient de l'évaluation	Note éliminatoire de l'évaluation	Remarques
CT (contrôle terminal)	Ecrit sur table			2		

Infos pratiques



Campus

➤ Campus de Dijon