

Master Sciences de la Terre et des planètes, environnement (ST302b) Faults from the outcrop to the plate boundary

Informations

Composante : Observatoire des Sciences de l'Univers - Pythéas (OSU)

Responsables

Magali RIESNER
Pierre HENRY

Langue(s) d'enseignement

Anglais

Contenu

General introduction, major earthquakes - Fault mechanics and seismic cycle - Fault systems and fault interactions - Seismic Hazard and seismic history: Tectonic Geomorphology and Paleoseismology - Tectonic forcing and plate boundaries

Compétences à acquérir

- 1.1 Building and structuring a cultural background in Earth sciences
- 1.5 Use the tools of geology, biology, mathematics, chemistry, physics, statistics and computer science to solve Earth science problems.
- 2.1 Formulate scientific questions and/or develop them based on knowledge of Earth sciences or observation of geological objects.
- 2.5 Analyze, interpret, synthesize and model information or geological data for use in Earth sciences
- 3.2 Reading and extracting information from documentary sources in English for use in earth sciences
- 4.3 Careful and accurate reporting of earth science work

Pré-requis obligatoires

Bachelor-level concepts in geomorphology, tectonics, geodynamics and tectonophysics

VOLUME HORAIRE

- Volume total: 30 heures
- Cours magistraux: 9 heures
- Travaux dirigés: 15 heures
- Travaux pratiques: 6 heures

Codes Apogée

- LSTCU18 [ELP]
- LSTCU18A [ELP]

Pour plus d'informations

[Aller sur le site de l'offre de formation...](#)

