

## Marine environmental proxies



### SCHOOL

Faculty of Science



### CAMPUS

Belle-Beille



### LEVEL

1st year Master's degree



### OPEN TO EXCHANGE STUDENTS

Yes



### SEMESTER

Spring (S2)

> **Degree course:** Sea, Manmade pollution, Diagnosis

> **Teaching unit:** UE 15

> **Course language:** English

> **Duration (hours):** 15

> **ECTS:** 3

> **Teacher(s):** Meryem MOJTAHID

#### > **Assessment:**

Continuous assessment

Final exam

#### > **Teaching methods:**

Lecture course 7 hours

Tutorial course 8 hours

Practical work hours

Case study

Project

## COURSE DESCRIPTION

This course aims to provide students with knowledge of the most commonly used paleoceanographic/environmental proxies. Definition of proxies.

- Principles of calibration and use of micropaleontological proxies.
- Methods for calibrating micropaleontological proxies (from ecology to the archive, analogue methods, etc.).
- Benthic Foraminifera - State of the art from ecology, systematics, biology to paleoecology application (with the advantages and biases of taphonomic processes).

## OBJECTIVES

Students will

- understand a wide range of paleobiological and geochemical proxies.
- Investigate studies in which a multi-proxy approach is used
- be able to interpret proxies for historical environmental reconstructions.
- read scientific articles in English in the field of paleoceanography.