

Dev. of indicators for coastal and marine environments



SCHOOL

Faculty of Science



CAMPUS

Belle-Beille



LEVEL

2nd year Bachelor's degree



OPEN TO EXCHANGE STUDENTS

Yes



SEMESTER

Fall (S1)

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

> **Teaching unit:** UE 24

> **Course language:** English

> **Duration (hours):** 28

> **ECTS:** 3

> **Teacher(s):** Maria-Pia NARDELLI

> **Assessment:**

Continuous assessment

Final exam

> **Teaching methods:**

Lecture course 9 hours

Tutorial course 11 hours

Practical work 8 hours

Case study

Project

COURSE DESCRIPTION

The course presents the main methods for the development and validation of new biotic indexes for the environmental diagnostics in marine environments (BQI, AMBI, Foram-AMBI, Posidonia index ?)
Practical work (TP) will focus on the application of existing indexes on the base of real scientific datasets (data analyses, index calculation, interpretations).
This teaching unit will be evaluated on the base of a report addressed to managers, based on the case study developed.

Prerequisites:

Environmental diagnostic in marine systems

OBJECTIVES

Students will learn how to calculate biotic indexes starting from real complex databases, and will develop a critical approach to functioning and limits of the indexes and their interpretations. They will also acquire writing skills.