Coastal dynamics

SCHOOL
Faculty of Science

CAMPUS
Belle-Beille

LEVEL
1st year Master's degree

OPEN TO EXCHANGE STUDENTS
Yes

SEMESTER
Fall (S1)

> **Degree course:** Sea, Manmade pollution, Diagnosis
> **Teaching unit:** UE 8
> **Course language:** English
> **Duration (hours):** 28
> **ECTS:** 3
> **Teacher(s):** Hélène HOWA and Aurélia MOURET

> **Assessment:**

- [x] Continuous assessment
- [ ] Final exam

> **Teaching methods:**

[x] Lecture course	5	hours	[ ] Case study
[ ] Tutorial course		hours	[ ] Project
[x] Practical work	23	hours	

COURSE DESCRİPTİON

1) Spatio-temporal dynamics of sedimentary and geochemical environments in the littoral domain (sea bays, lagoons, beaches)
- Study methods in coastal environments
- Case study: hydro-sedimentary trajectory of the Arcachon Basin, Loire estuary?.;
- Field trip (Breton estuaries, Vendée beaches)

2) Vulnerability of coastlines
- Sea level, marine flooding, pollution, etc.
- Coastal management
- Bioindication and biomonitoring - Case studies: DCE Mediterranean, Breton estuaries, ports...

Prerequisite:
This course requires some understanding of sedimentology and geochemistry.

OBJECTİVES

Knowing how to gather information, represent data, demonstrate the ability to abstract, visualize in space and time
- Students will learn to synthesize knowledge, with critical analysis of information and reflection on the limits of interpretations.
- Students will acquire writing skills.