

NATURAL COASTAL RISK ASSESSMENT

Credits: 5 ECTS

Detailed programme:

LEARNING BLOCK	TOPIC OR ACTIVITY
B1	Presentation. Extreme and average regimes.
B2	Extreme and average regimes for waves and sea levels.
B3	Extreme and average regimes for waves and sea levels (case studies) I.
B4	Extreme and average regimes for waves and sea levels (case studies) II.
B5	Coastal currents, floods and inlets I.
B6	Coastal currents, floods and inlets II.
B7	Erosion in the medium and long term on sandy coasts.
B8	Coastal erosion research methods.
B9	Problems with coastal sediment processes.
B10	Tsunamis.
B11	Instability and erosion of cliffs.
B12	Case study: cliffs of the Gulf of Cadiz.
B13	Coastal flooding due to storms.
B14	Civil protection structure in Spain.
B15	Coastal subsidence.
B16	Rise in sea level: associated causes and effects, defence and operation methods.
B17	Coastal risks in Cadiz: field trip I.
B18	Coastal risks in Cadiz: field trip II.

Evaluation system:

	SYSTEM	WEIGHT
	Final exam	40 – 70
	Written essays	10 – 30
	Presentation and/or defence of exercises, topics and projects	10 – 30
	Attendance and participation in theory and practical classes, seminars, mentoring and other complimentary activities	0 – 20