

Blended Intensive Program

Coastal Protection and Sustainability

UPN

Important note:

Students interested in this program have to apply to their home university according to the internal procedure.

Student applications made directly to the hosting institution will not be considered.

General information

Course Title	Coastal Protection and Sustainability
BIP Code	2025-1-IT02-KA131-HED-000309965-1
Coordinating Institutions	Parthenope University of Naples (UPN)
Partner Institutions	University of Gdańsk (UG), University of Split (UNIST)
Abstract: (a few lines describing the course that SEA-EU partners can use for dissemination)	This course provides a comprehensive and multidisciplinary perspective on coastal protection and sustainability in the face of climate change, increasing urbanization, and anthropogenic landscape transformations. It explores strategies for mitigating natural hazards such as landslides, flooding, and coastal erosion, with particular attention to environmentally sustainable interventions in coastal areas situated beneath rocky cliffs and at river mouths. Combining theoretical and practical learning through lectures, group work, and field excursions, the program fosters critical thinking and innovation in sustainable coastal management.
Calendar	• Nominations deadline: 4 September 2026 • Virtual part: from 14 to 17 September 2026 • On-site physical mobility: from 21 to 25 September 2026
Total number of hours:	36 (online: 8 h / on-site: 28 h)
Teacher(s) in charge	Giada Varra, Stefano Aversa, Guido Benassai
Number of participants	The minimum number of participants is 10 , maximum is 24 . The standard allocation is 3 students per partner . If some partner institutions do not nominate any students, the remaining vacancies may be redistributed , allowing other institutions to nominate more students from the

	waiting list.
Mobility costs	This mobility is eligible for Erasmus+. Please contact your university for more information.
Contact	BIP Coordinators: Stefano Aversa, Professor Guido Benassai, Profesor Giada Varra, PhD Organisational contact: SEA-EU office: seaeu.upn@uniparthenope.it Responsible person for signing the OLA: Prof. Stefania Campopiano (stefania.campopiano@uniparthenope.it) NOMINATIONS TO BE SENT TO erasmus.bip@uniparthenope.it keeping seaeu.upn@uniparthenope.it in copy

Pedagogical content

Target group / Expected student profile	The course is open to Bachelor, Master, and Doctoral students from various fields, including engineering, environmental and earth sciences, coastal and marine sciences, meteorology and climatology, physics, geography, and geology.
ISCED codes	0711 – Engineering 0521 – Environmental sciences 0532 – Earth sciences 0522 – Natural environments and wildlife 0533 – Meteorology and climatology 0531 – Physics
Requirements Academic background	English B2 or equivalent level
Learning objectives/outcomes:	Upon successful completion of this course, students will be able to: • understand the key challenges posed by climate change and urbanisation to coastal areas; • acquire knowledge about the concept of risk in the context of natural hazards (landslides, flooding, and erosion) in coastal areas, analysing its components (hazard, vulnerability, and exposure); • examine innovative techniques and sustainable solutions for mitigating the impact of natural hazards on coastal areas, with particular focus on regions

	beneath rocky cliffs and at river mouths; • learn about the impacts of climate change on low and high coasts and identify adaptation strategies; • gain knowledge of sustainable green coastal defence projects.
Any required material/software to take part to the course:	Each student is required to bring a personal computer. Free software will be used during the physical mobility.
ECTS:	3 ECTS (36 hours)
Evaluation:	This course will be assessed via students' presentations and teamwork during the physical mobility.
Certificates	Upon successful completion (attendance and evaluation), a Certificate of Attendance and a Transcript of Records (failed/passed) will be issued.
Language of the course	English

Structure of the course

Modules	Timing	Learning Objectives, Contents, Modalities of work, evaluation
Virtual part:	14-17 September 2026	The virtual component of the course will consist of four lectures (2 hours each), aimed at providing the foundational knowledge necessary for the on-site phase. This segment will include: • an overview of the course structure, content, and intended learning outcomes; • guidelines and instructions for the implementation of the in-person component; • introductions of both participants and instructors; • an explanation of the evaluation criteria for the final presentation;

		preliminary lectures covering the main course topics. This initial online phase is intended to establish a common framework between participants and instructors, ensuring a clear understanding of objectives and promoting effective preparation for the subsequent on-site activities.
Physical part:	21-25 September 2026	The on-site component of the course will consist of lectures, workshops, field excursions, and individual student work, culminating in a group final presentation for assessment. - September 21: Coastal erosion and sediment transport, flood modelling, team building activities - September 22: Visit to the Fondi Coastal Plain aimed at analyzing mitigation measures to natural hazards next to river mouths. - September 23: Boat trip to Capri Island aimed at analyzing rocky cliffs hazards and erosion. - September 24: Flood modelling - September 25: group presentations and final discussion <u>Please note that these activities may be subject to change depending on organisational needs.</u>

Practical information

Accommodation recommendations	Please refer to the SEA-EU Welcome to Naples Handbook for accommodation suggestions and further useful information. UPN will provide participants with lunches.
Venue/Course location	The physical mobility will take place at the Department of Engineering, University of Naples "Parthenope", Centro Direzionale - ISOLA C4, 80143, Naples, Italy
Any tips?	The venue can be easily reached by metro 1. Each participant should bring their personal computer, comfortable and fresh clothes, towels, sunglasses, solar protector (recommended factor 50), bathing suit, mosquito repellent, etc.

