

## Blended Intensive Program

### **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	<b>Coastal Protection and Sustainability</b>
BIP Code	TBD
Partner Institutions	TBD
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	<ul style="list-style-type: none"> <li>● <b>05/05/2025:</b> Registrations deadline</li> <li>● <b>12/05/2025:</b> Confirmation of acceptance</li> <li>● <b>23/06/2025-26/06/2025:</b> <u>Virtual part</u> / <b>8h</b> (8 hours of synchronous lessons divided into 2 hours per day)</li> <li>● <b>07/07/2025-11/07/2025:</b> <u>On-site part</u> (physical mobility) / <b>28h</b></li> </ul>
Total number of hours:	<b>36</b> (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 <b>15</b> , maximum is <b>24</b> . Each SEA-EU university can propose up to 3 students.
Mobility costs	This mobility is eligible for Erasmus+. <b>Please contact your university for more information.</b>

Contact	<p><b>BIP Coordinators:</b> Stefano Aversa, Professor Guido Benassai, Profesor Giada Varra, PhD</p> <p><b>Organisational contact:</b> SEA-EU office: seaeu.upn@uniparthenope.it</p> <p><b>Responsible person for signing the OLA:</b> Prof. Stefania Campopiano (stefania.campopiano@uniparthenope.it)</p>
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## 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.
Requirements Academic background	English B1 (test can be taken on EU academy)
Learning objectives/outcomes:	<p>Upon successful completion of this course, students will be able to:</p> <ul style="list-style-type: none"> <li>• understand the key challenges posed by climate change and urbanisation to coastal areas;</li> <li>• 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);</li> <li>• 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;</li> <li>• learn about the impacts of climate change on low and high coasts and identify adaptation strategies;</li> <li>• gain knowledge of sustainable green coastal defence projects.</li> </ul>
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:	<b>3 ECTS</b> (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... any relevant information for the applicants.
Virtual part:	23/06/2025-26/06/2025	<p><b>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.</b></p> <p>This segment will include:</p> <ul style="list-style-type: none"> <li>• an overview of the course structure, content, and intended learning outcomes;</li> <li>• guidelines and instructions for the implementation of the in-person component;</li> <li>• introductions of both participants and instructors;</li> <li>• an explanation of the evaluation criteria for the final presentation;</li> <li>• preliminary lectures covering the main course topics.</li> </ul> <p>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.</p>

Physical part:	07/07/2025-11/07/2025	<p><b>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.</b></p> <p>Planned field excursions include a boat trip to Capri Island and visits to the Volturno River mouth and the Fondi coastal plain. At least one tutor will accompany the group during these activities.</p> <p>The on-site programme will be structured as follows:</p> <ul style="list-style-type: none"> <li>• Two days dedicated to lectures and workshops focused on key course topics. These sessions will include practical exercises using open-source software for the production of flood risk maps.</li> <li>• Two days of field excursions aimed at analysing natural hazards (such as landslides, flooding, and coastal erosion) affecting coastal zones, with particular attention to areas situated beneath rocky cliffs and at river mouths. The exact dates of the field visits will be determined based on the number of participants, to facilitate logistical planning.</li> <li>• One day will be devoted to group presentations and final discussion. This session, which will likely take place on the final day of the course, will serve as the primary assessment of student learning outcomes.</li> </ul>
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## Practical information

Accommodation recommendations	At the link <a href="#">Uniparthenope_Brochure-VisitNapoli</a> a list of accommodations is provided. "Parthenope" University 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?

Each participant should bring their personal computer, comfortable and fresh clothes, towels, sunglasses, solar protector (recommended factor 50), bathing suit, mosquito repellent, etc.

