



SUSTAINABLE COASTAL GROWTH AND RESILIENCE

OFFICIAL PROGRAMME

2025 edition



Course Timetable

<p>Module 1: Overview of Coastal Resilience and its Importance for Business Week 1-1 Jan 27-31</p>		
<p>Opening Ceremony January 27 14:00-16:00 CET</p> <p>Live session Speakers: Nadia Pinardi (DCC-CR, University of Bologna), Renata Archetti (University of Bologna), Quillon Harpham (HR-Wallingford), Ana Carolina Mazzuco (OTGA).</p>		
Lecture Title	Hours	Lecturer
<i>Overview of Coastal Resilience Concepts</i>	2	Giulia Galluccio
<i>Adaptation Planning for Coastal Resilience</i>	2	Chiara Trozzo
<i>Sustainability transition management and the importance of coastal resilience for business</i>	2	Matteo Mura
<i>Circular Economy for the Marine Environment</i>	2	Alessandra Bonoli
<i>Early Warning Systems for Disaster Preparedness</i>	2	Carlo Cacciamani
<p>Week 1-2 Feb 3-7</p> <p>Webinar Speakers: Godwell Nhamo and Cecilia Bittoni Live online webinar - Tuesday, 4 February 14:00-16:00 CET</p> <p>Week 1-2 Tutor: Chiara Trozzo Live online session - Friday, 7 February 14:00-15:00 CET</p>		
<p>Module 2. Understanding Coastal Hazards from Operational Oceanography Products Week 2-1 Feb 10-14</p>		
Lecture Title	Hours	Lecturer
<i>Overview of Global Products from Operational Oceanographic Services</i>	2	Nadia Pinardi
<i>Coastal Earth Observation Satellites Products and Applications for Monitoring Coastal Hazards</i>	2	Jérôme Benveniste
<i>Introduction to Cloud Space and the Jupyter Notebooks</i>	2	Megi Hoxhaj
<i>Visualization and Extraction of Time Series for Specific Coastal Areas</i>	2	Megi Hoxhaj
<i>Hazard Mapping for Waves</i>	2	Salvatore Causio
<p>Week 2-2 Feb 17-21</p> <p>Week 2-2 Webinar Speakers: Emanuela Clementi and Ghada El Serafy Live online webinar - Tuesday, 18 February 14:00-16:00 CET</p> <p>Week 2-2 Tutor: Salvatore Causio Live online session - Friday, 21 February 14:00-15:00 CET</p>		

Module 3: Impact Assessment and Risk Management
Week 3-1 Feb 24-28

Lecture Title	Hours	Lecturer
<i>Introduction to Environmental Impact Assessment</i>	2	Marie Pendle
<i>Environmental Impact Assessment Techniques</i>	2	Marie Pendle
<i>Consultation as part of Environmental Impact Assessment</i>	2	Marie Pendle
<i>Flood and Coastal Erosion Risk Management</i>	2	Mike Panzeri
<i>Environmental Impact Assessment Case Studies</i>	2	Lorenzo Bertolé

Week 3-2 Mar 3-7

Week 3-2 Webinar Speakers: Marie Pendle and TBD
Live online webinar – Tuesday, 4 March 14:00-16:00 CET

Week 3-2 Module 3 Tutor: Marie Pendle
Live online session Friday, 7 Mar 14:00-15:00 CET

Module 4: Enabling Technologies
Week 4-1 Mar 10-14

Lecture Title	Hours	Lecturer
<i>Informatics and Big Data</i>	2	Quillon Harpham
<i>Artificial Intelligence for Coastal Extreme Sea Level Events</i>	2	Lorenzo Mentaschi
<i>Delivering Better GIS</i>	2	Mike Panzeri
<i>Introduction to Data Assimilation and Data Assimilation and Reanalysis for Coastal Resilience</i>	2	Sarah Dance
<i>Coastal Altimetry Products Design for Monitoring Coastal Hazards</i>	2	Jérôme Benveniste

Week 4-2 Mar 17-21

Week 4-2 Webinar Speakers: Jacopo Alessandri and Michiel Knaapen
Live online webinar – Tuesday, 18 March 14:00-16:00 CET

Week 4-2 Tutor Michael Panzeri
Live online sessions - Friday, 21 Mar 14:00-16:00 CET

Module 5: Solutions for Coastal Resilience
Week 5-1 Mar 24-28

Lecture Title	Hours	Lecturer
<i>Green and Sustainable Ports</i>	2	Mariano Buccino
<i>NBS for Coastal Protection</i>	2	Renata Archetti
<i>Sustainable Mariculture</i>	2	Slim Gana
<i>Sustainable Coastal Cities</i>	2	Vassiliki Kourafalou

<i>Marine Carbon Dioxide Removal Solutions</i>	2	Momme Butenschön
Week 5-2 Mar 31- Apr 4		
Final Course Assignment - Tutors: Nadia Pinardi and Quillon Harpham Live online sessions – Monday, 31 March 14:00-15:00 CEST		
Week 5-2 Webinar Speakers: Achilleas Samaras and Patricio Winckler Live online webinar – Tuesday, 1 April 14:00-16:00 CEST		
Module 6: Solutions for Coastal Resilience		
Bertinoro, April 7-11		
Day 1: Opening and Project Kickoff		
Day 2: Team Collaboration and Guidance		
Day 3: Project Presentations (Part 1)		
Day 4: Project Presentations (Part 2) and Closing Ceremony		
Day 5: Rimini Visit		



COASTAL RESILIENCE
SCHOOL



unesco
Intergovernmental
Oceanographic
Commission



UN Decade
Collaborative Centre
for COASTAL
RESILIENCE



OceanTeacher Global Academy