

Minor in Coastal Development and Sustainable Maritime Tourism

Courses' Catalogue 2024-25



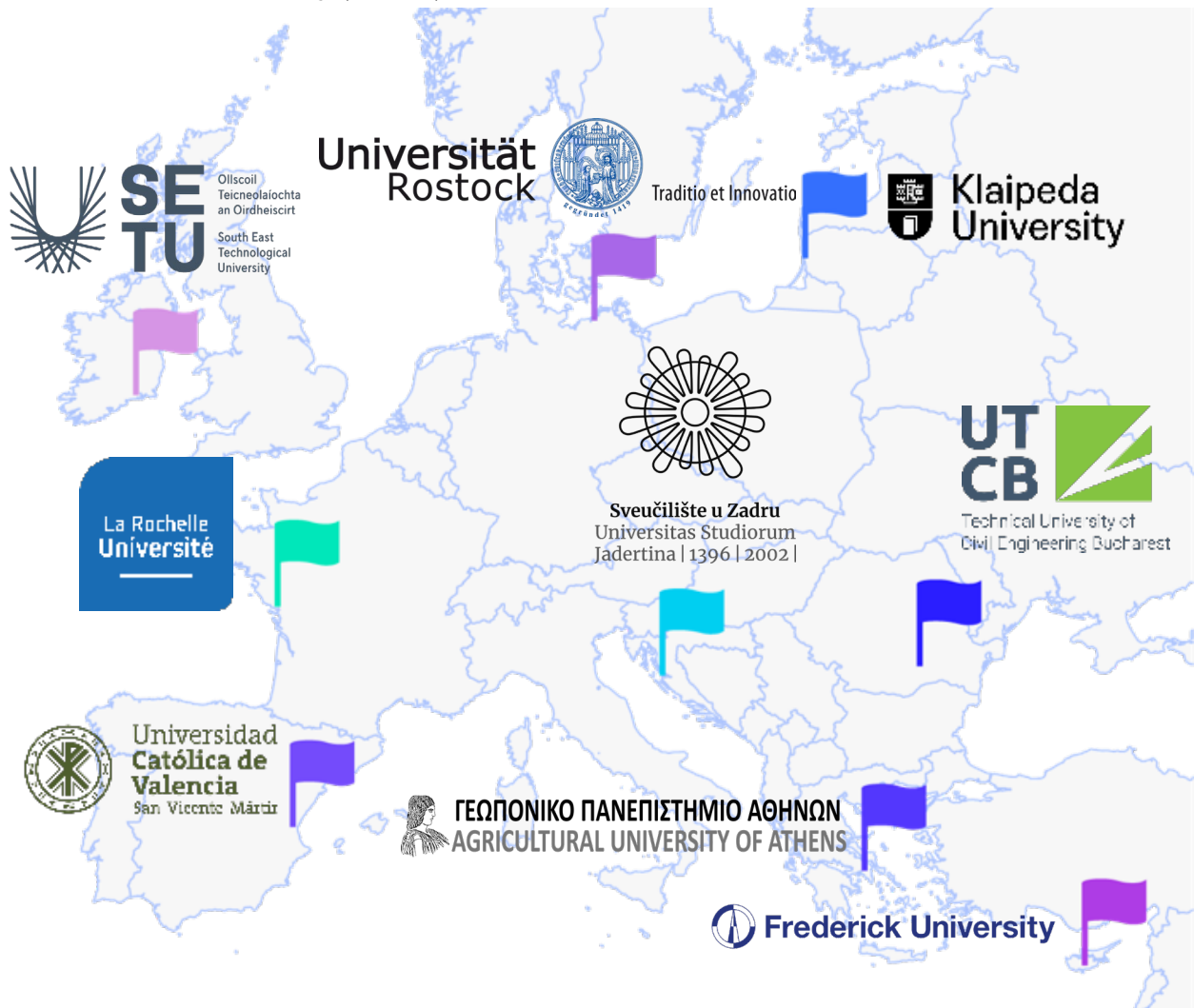
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Your university at EU-CONEXUS

The European University for Smart Urban Coastal Sustainability (EU-CONEXUS) is a transnational European higher education and research institution that covers the smart urban sustainable coastal development from a global point of view.

EU-CONEXUS is formed by 9 European universities, which are located in Croatia, Greece, France, Lithuania, Romania, Spain, Ireland, Germany and Cyprus:

- University of Zadar (UNIZD),
- Agricultural University of Athens (AUA),
- La Rochelle Université (LRUniv),
- Klaipeda University (KU),
- Technical University of Civil Engineering Bucharest (UTCB),
- La Universidad Católica de Valencia (UCV),
- University of Rostock (UROS),
- South East Technological University (SETU),
- Frederick University (FredU).

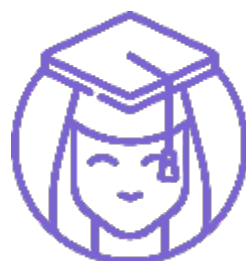


EU-CONEXUS has chosen a focus on urban and semi-urban coastlines because they are increasingly densely populated areas and very important for trade, aquaculture and fisheries, energy, tourism. At the same time, these coastlines are the most vulnerable areas with regard to the consequences of climate change.

Universities and research institutions have a central role to play in promoting the 'Blue Economy' and 'Blue Growth' and to contribute to the skills and competences of the graduates who can work in a complex and challenging labour market. New approach is needed with regard to the organisation of studies and research therefore, 9 universities joined together to merge their strength and know-how in interdisciplinary short-term and degree programmes and to offer the students to study at international inter-campus European University.

Studying at any of above-mentioned university, you can also study at EU-CONEXUS. Choose international courses, joint short-term and degree programmes, benefit from academic and cultural exchange, and receive not only up-to-market knowledge and competences but also enriched curricula, which will be reflected in your European degree and Diploma Supplement.

EU-CONEXUS OPENS UP OPPORTUNITIES TO INTERNATIONAL CURRICULA, CAREER AND EXPERIENCE



What is Minor and how it is compatible with your Bachelor's study programme

EU-CONEXUS Minor programmes are one of these options to construct flexible, international, multidisciplinary curricula and to receive up-to-date competences that are highly required in the labour market. The 9 EU-CONEXUS universities created international joint Minor programmes, which you can choose studying Bachelor's at your university.

Minor's programme (sometimes called specialisation) is a specific interdisciplinary set of courses in the same or different field of studies, that you can select freely and make up your own set choosing 30 ECTS throughout your studies (for example, one course during one semester parallel to other courses of your chosen study programme).

- Depending on your study programme, you can choose Minor programme **as a part** or **additionally** to your **study curricula**.
- EU-CONEXUS Minor programme consists of **five sectors**; each of them offers several courses that you may choose from.

In order to receive Minor's certificate, you must have taken 30 ECTS from:

- minimum **2 different sectors**;
- **3 different** (one could be yours) EU-CONEXUS **universities**,
- **5 courses** in total, maximum 2 courses from your home university.

At the end of your Bachelor's studies you will be awarded with Minor's certificate, and all the courses will be included in your Diploma Supplement.

If you do not wish to attend the full Minor's programme, you can always choose only the courses that interest you and enjoy some of the benefits of the EU-CONEXUS experience and to have them listed in your Diploma Supplement¹.

EU-CONEXUS Minor's programme is also an **academic exchange** experience. Choosing any of EU-CONEXUS courses you will be studying with classmates from different universities in Europe and will gain not only knowledge but also learn about different cultures, languages, markets and gain intercultural experience and improve your English language skills. Each EU-CONEXUS course is considered as academic exchange (similar to Erasmus+) and will be included in the Diploma Supplement to prove your international curriculum.

¹ Minor's certificate will be awarded **only** to the students who follow the general requirements of Minor's.

Minor in Coastal Development and Sustainable Maritime Tourism

Coastal regions are areas of major importance for environment and society. Nature and biodiversity must be protected, as well as the rich historical heritage, but in the same time economy and tourism should develop. This makes the coastal regions a territory of complex interactions and raises a hard challenge.

Would you like to be an active actor in addressing this challenge? The EU-CONEXUS Minor in Coastal Development and Sustainable Maritime Tourism provides you competences and professional skills in five key sectors:

1. Biodiversity and Coastal Zone Management;
2. Environmental Education;
3. Human Geography;
4. Sustainable Tourism;
5. Coastal Engineering.

With a solid theoretical base and through practical activities, you will acquire skills and knowledge that will boost your employability and open professional opportunities in coastal regions in domains like: port and harbour administration, real estate development, governmental agencies, regional and local administration, private and public organisations in the field of environment, tourism and culture, NGOs. You will also acquire an international experience, develop your cultural awareness and intercultural competencies.

[Shape your future and become a factor of change in Coastal development!](#)

How to choose sectors and courses

- **Choose the sectors.** Sectors are the areas into which the Minor's programme is divided. The Minor's programme consists of 5 thematic areas (sectors) into which the Minor of Coastal Development and Sustainable Maritime Tourism is focused. You can choose freely the sectors of your interest or the most relevant to your Bachelor's studies. To receive Minor's certificate you must have chosen courses from minimum 2 sectors by the end of your Bachelor's studies.
- **Choose the topic.** Topic is a field of study that could be comprised by 1 (then the title matches with the title of the course) or more courses with similar or compatible contents. Each sector consists of 3 topics, 15 topics in total. Number of topics you choose has no effect to receive Minor's certificate.
- **Choose the courses.** Course refers to a series of lectures, discussions, or other lectures in a particular subject. Course lasts one academic term and is measured in European credits (ECTS). All EU-CONEXUS Minor's courses consist of 6 ECTS and are taught in *English*. You can choose 1-2 courses per semester (consult with the coordinator at your university). Pay attention in which semester, by which university the course is offered and read the prerequisites to be eligible to study the course. The course may be taught only virtually where you will be studying with the classmates from 6 different universities, or to include short term academic exchange at the university which offers this course when you can meet all the teachers and classmates in real life (blended) ([see Appendix 1](#)). To receive Minor's certificate you must have chosen courses from minimum 3 different universities (one of them could be your university) by the end of your Bachelor's studies.
- *Remember:* The Minor's courses can be part of your predefined study programme or extra 'optional' courses.
- You can join the Minor's programme starting from any semester. The first intake is spring semester of 2020/2021. Just note, if you take 1 course per semester, you will need 5 semesters to gather required 30 ECTS of the Minor's programme. [Sign up NOW!](#)

Biodiversity and Coastal Zone Management	Sector
1. Hydrobiology-Planktology (AUA)	Topic
2. Coastal Management	
2.1. Protected Areas and Recovery of Species (UCV)	Courses
2.2. Coastal Zone Management (KU)	

How to apply

Minor courses can be offered by your home university or any other EU-CONEXUS university. All you need to do is to choose the courses and fill in the application at your home university.

Please check your university's website or contact Minor Officer at your university for more details. One thing we can assure: the procedure is simple, and paperwork is minimal, while Minor Officer will always consult and help you with everything.

Contacts of Minors' officers

University	Name	Surname	E-mail address
UCV	Malgorzata	Musinska	malgorzata.musinska@ucv.es
AUA	Olga	Ntanti	ntolga@aua.gr
LRUniv	Stephanie	Chiron	stephanie.chiron@univ-lr.fr
UTCB	Ramona	Diac	ramona.diac@utcb.ro
KU	Ingrida	Rukavice	ingrida.rukavice@ku.lt
UNIZD	Ljerka	Morović	lmorovic@unizd.hr
UROS			minor.eu-conexus@uni-rostock.de
SETU	Nabla	Kennedy	nkennedy@wit.ie
FU	Varnavas	Mytilineos	ad.mv@frederick.ac.cy

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Sectors and courses	
Biodiversity and Coastal Zone Management	
1. Biodiversity	
1.1 Hydrobiology-Planktology (AUA)	
1.2 Agrobiodiversity and Ecosystem Services (UROS)	
2. Coastal Management	
2.1. Protected Areas and Recovery of Species (UCV)	
2.2. Coastal Zone Management (KU)	
3. GIS	
3.1. Geographic Information Systems and Remote Sensing (UTCB)	
3.2. Geographical Information System and Remote Sensing (KU)	
Environmental Education	
4. Environmental Education	
4.1. Environmental Education (UCV)	
4.2. Pollution/Depollution (water, air, soil) (UTCB)	
4.3 RESCUE (Resilience, climate change and the European Union) (LRUniv)	
5. Ecological Psychology	
5.1 Ecological Psychology (UNIZD)	
6. Effects of Climate Change	
6.1. Effects of Climate Change (UTCB)	
6.2. Effects of Climate Change on Coastal Areas (AUA)	
Human Geography	
7. Culture and Heritage	
7.1. Cultural Geography (UNIZD)	
8. Maritime Geography	
8.1. Coastal Geography (practices, stakeholders, conflicts, governance) (LRUniv)	
8.3. Management of Smart Coastal Cities (KU)	
Sustainable Tourism	
10. Tourism and Sustainability	
10.1. Sustainable Tourism Development (KU)	
10.2. Sustainable Tourism Development (AUA)	
10.3. Tourism Facing Digital Transition (LRUniv)	
10.4. Coastal Tourism Facing Social and Environmental Transition (LRUniv)	
10.5 Entrepreneurship and Innovation around Sustainable Tourism (LRUniv)	
10.6 Entrepreneurship (AUA)	
10.7 Entrepreneurship (UNIZD)	
10.8 Creativity and Innovation Management (UCV)	
11. Spatial Planning of Maritime Tourism	
11.1 Spatial Planning of Maritime Tourism (KU)	

12. Performant Buildings for Tourism
12.2 Sustainable Buildings for Tourism (UTCB)
Coastal Engineering
13. Environmental Impact Assessment
13.1 Environmental Impact Assessment (UCV)
14. Sustainable Built Environment
14.1 Sustainable Built Environment (UTCB)
15. Natural Hazards in Coastal Regions
15.1 Natural Hazards in Coastal Regions (UTCB)



Biodiversity and Coastal Zone Management Sector

Coastal zones are areas of great economic, social and ecological importance. These zones are under increasing pressure from anthropogenic impacts since the majority of the world's population inhabit them, and they are used extensively and increasingly for a large number of activities. Therefore, public institutions and companies are looking for experts in protection, conservation, rehabilitation and management of these areas, including their biological diversity.

The academic offer of the Biodiversity and Coastal Zone Management sector will, therefore, provide you knowledge in marine biodiversity and in coastal zone management to acquire the necessary expertise to manage coastal zones, to balance environmental, economic, and human activities, and to ensure and conserve the range of benefits that these systems provide.

To learn more and gain the competences in Biodiversity and Coastal Zone Management we recommend to choose from the following **courses**:

Sector	Topic	Course	Semester	ECTS	University
Biodiversity and Coastal Zone Management	1. Biodiversity	1.1. Hydrobiology-Planktology	Autumn	6	AUA
		1.2 Agrobiodiversity and Ecosystem Services	Spring	6	UROS
	2. Coastal Management	2.1. Protected Areas and Recovery of Species	Autumn	6	UCV
		2.2. Coastal Zone Management	Autumn	6	KU
	3. GIS	3.1. Geographic Information Systems and Remote Sensing	Autumn	6	UTCB
		3.2. Geographical Information System and Remote Sensing	Spring	6	KU

Employability

The competences are highly required in these economic sectors and activities: coastal resources management, public administration, environment consultancies, environmental protection, and regional development.

Topic: Biodiversity		
Course: Hydrobiology - Planktology		
University: Agricultural University of Athens		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Hellenic Authority for Higher Education (HAHE) as part of an official AUA study programme.		
What will you learn:		
<ul style="list-style-type: none"> • Introduction to the Marine Environment: properties of water, basic oceanography, ecological principles, larvae and larval ecology, comparison of terrestrial and marine ecosystems, division of the marine environment. • Plankton and Plankton Communities: phytoplankton, zooplankton, floatation mechanisms, primary production, factors affecting primary productivity, the ocean ecosystem; the classic model and the microbial loop. • Oceanic Nekton: composition of the oceanic nekton, environmental conditions, adaptations of oceanic nekton, ecology of nekton. • Deep-Sea Biology: zonation, sampling the deep sea, environmental characteristics, adaptations of deep-sea organisms. • Shallow-water subtidal benthic associations: environmental conditions, unvegetated sedimentary environments, rock subtidal communities, kelp beds and forests, seagrass communities. • Intertidal ecology: environmental conditions, adaptations of intertidal organisms, rocky shores, sandy shores, muddy shores. • Meiofauna: environmental characteristics, sampling, and extraction of meiofauna, adaptations, ecology. • Tropical communities: coral reefs, mangrove forests. • Symbiotic relationships: symbioses of algae and animals, symbioses among animals. 		
Who is this course for?		
<p>The course is:</p> <ul style="list-style-type: none"> • Open for students from any study programme • Recommended to the students of the last study semesters who are interested in biodiversity of the marine environment and would like to learn more about marine living organisms <p>Your track in EU-CONEXUS Minors: This course is especially beneficial after or before: Agrobiodiversity and Ecosystem Services, Protected Areas and Recovery of Species or any other course from this Minor Programme.</p>		
Course activities:		
<ul style="list-style-type: none"> • Visit to an oceanographic vessel, • Training in physicochemical characteristics of the seawater as well as plankton sampling, • Observation of plankton samples under stereoscope or microscope, • Analysis of water nutrients. 		
Soft skills:		
Analytical skills, research, group/team working, presentation, written communication.		
Prerequisites:		
Basic concepts in Biology: animal characteristics, classification and main characteristics.		
More information:		
http://www.european.aul.gr/?page_id=780		

Topic: Biodiversity		
Course: Agrobiodiversity and Ecosystem Services		
University: University of Rostock		
6 ECTS	Language:	English
Stage of accreditation: As a university, the University of Rostock is authorised for the purposes of «system accreditation». An internal certification system is used by the university for most accreditation procedures. The modules underwent the process of quality assurance		
What will you learn:		
<p>Students will become familiar with the following subtopics:</p> <ul style="list-style-type: none"> • Natural resources and Planetary boundaries • Ecosystem services - comparison of natural and agricultural systems • Management of fragile agroecosystems • Environmental monitoring • Special features of agrobiodiversity • Mixed cropping systems • Agroforestry and Paludi culture • Microbial diversity and Plant associated microorganisms 		
Who is this course for?		
<p>The course is:</p> <ul style="list-style-type: none"> • Open for students from any study programme • Recommended to students of all study years, especially those who want to know more about genetic variability of plants, animals and microorganisms that are directly or indirectly important in agriculture as well as impacts of agricultural activities to adjacent ecosystems with the focus on coastal zones. The course also considers ecosystems services in rural areas and discusses impacts of planetary boundaries on agricultural systems. <p>Your track in EU-CONEXUS Minors: This course is especially beneficial after or before: Coastal Zone Management, Hydrobiology-Planktology, Effects of Climate Change on Coastal Areas</p>		
Course activities:		
Lectures on theoretical backgrounds of the sub-topics, project-based teaching and project work in small groups (2 to 3 students), presentation of project outcomes.		
Soft skills:		
Scientific & critical thinking, team-work skill, presentation skill, problem-solving skill, international communication		
Prerequisites:		
Knowledge in ecology or agronomy would be useful but are not prerequisites for the student to successfully complete the course		

Topic: Coastal Management		
Course: Protected Areas and Recovery of Species		
University: Universidad Católica de Valencia		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Spanish National Agency for the Assessment of Quality and Accreditation (ANECA) as part of an official UCV study programme		
What will you learn:		
<ul style="list-style-type: none"> • Natural Protected Areas (ENP) definition and tools for the conservation of these areas in the international, national and regional context, • Management, planning and public uses of these ENPs, • Requirements for an area to be classified as a marine protected area and the main international figures of protection of these areas, • General tools for the recovery of threatened species and the functioning of the species recovery centres, • Assessment of the degree of threat to habitats and species and its consequences on natural and socio-economic systems 		
Who is this course for?		
<p>The course is:</p> <p>Recommended for students of any year, especially those who have shown interest in protected areas and recovery of species.</p> <p><i>Your track in EU-CONEXUS Minors:</i></p> <p>This course is especially beneficial after or before take any other subject from this minor, specially the subjects of Environmental education and Environmental impact assessment</p>		
Course activities:		
<ul style="list-style-type: none"> • International group/team working in protected areas and oral presentation of species in danger of extinction. Webinar with Zadar university. 		
Soft skills:		
Conflict management, project management, group/team working.		
Prerequisites:		
None.		
More information:		
Protected Areas and Recovery of Species		

Topic: Coastal Management		
Course: Coastal Zone Management		
University: Klaipeda University		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Klaipeda university committee of study field		
What will you learn:		
<ul style="list-style-type: none"> • Coastal zones & seas, • Coastal Management (ICZM), • ICZM Cycle, • ICZM Tools & Approaches, • EU Maritime Policy, • EU Environmental Policy, • Baltic Sea (BS) 		
Who is this course for?		
<p>This course is:</p> <ul style="list-style-type: none"> • Open for students from any study programme • Recommended for students who want to have more background information on Coastal and Marine Management, taking into account EU policies and following EU legislation. <p><i>Your track in EU-CONEXUS Minors:</i></p> <p>This course is especially beneficial after or before taking any other subject from this minor.</p>		
Course activities:		
<ul style="list-style-type: none"> • Innovative learning experience (case method teaching) • Experts' lectures • International group project 		
Soft skills:		
Analytical skills, group/team working, problem solving, presentation, international communication, conflict management.		
Prerequisites:		
None.		

Topic: GIS & Remote Sensing		
Course: Geographic Information Systems and Remote Sensing		
University: Technical University of Civil Engineering Bucharest		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Romanian Agency for Quality Assurance in Higher Education (ARCAIS) as part of an official UTCB study programme. The study programme has also the EUR-ACE® label from the European Network for Accreditation of Engineering Education (ENAE)		
What will you learn:		
<ul style="list-style-type: none"> • Basic concepts and description of GIS basic tools for imagery • Accessing and using spatial data geoportals, proprietary and OS Software and GIS data structures • Basic GIS and RS concepts relevant for the acquisition, management and exploration of geospatial data • How to analyze geospatial data, including remote sensing images, raster data types and classification in GIS and the generation of new information and knowledge 		
Who is this course for?		
<ul style="list-style-type: none"> • The course is especially relevant for students who deal with geospatial data but who have only a limited knowledge of the principles of managing geospatial data using GIS and Earth Observation (EO) in their field of application • If you already have knowledge of the principles of GIS and Earth Observation (EO) you could deepen your knowledge regarding RS techniques 		
Course activities:		
<ul style="list-style-type: none"> • Applications using Spatial Data Geoportals focusing on GIS applied for environment and sustainable development • Create WebApps using GIS data • Practical work using educational accounts inside ESRI ArcGIS Organization of UTCB - Doctoral School, having the possibility to access geospatial data in a powerful online GIS environment • Image Processing 		
Soft skills:		
Group/team working, basic problem solving skills, international communication, analytical skills		
Prerequisites:		
None		
More information:		
https://utcb.ro/en/eu-conexus/minor-programmes/coastal-development-and-sustainable-maritime-tourism/geographic-information-systems-and-remote-sensing/		

Topic: GIS		
Course: Geographic Information Systems and Remote Sensing		
University: Klaipeda University		
6 ECTS	Language:	English
<ul style="list-style-type: none"> • Stage of accreditation: Accredited by the Klaipeda university committee of study field 		
What will you learn:		
<ul style="list-style-type: none"> • General problems of marine and coastal environment and their spatial solutions, • Search, download and import, select and transform environmental spatial data (including remote sensing) for specific tasks, • Spatial analysis and statistics, solving specific tasks, • Interpretation of the obtained results in comparison with other studies, • Predictions based on ecological scenarios. 		
Who is this course for?		
The course is:		
<ul style="list-style-type: none"> • Open for students from any study programme • Recommended for students who are interested in GIS and its potential applications in solving common marine and coastal environmental problems. 		
Your track in EU-CONEXUS Minors:		
<ul style="list-style-type: none"> • This course is especially beneficial after or before take any other subject from this minor. 		
Course activities:		
<ul style="list-style-type: none"> • Experts' lectures • Practical exercises • Individual/group project • Consultation with stakeholders 		
Soft skills:		
Analytical skills, problem solving, practical exercises, presentation.		
Prerequisites:		
None		
More information:		
The link is not available yet.		



Environmental Education Sector

Environmental education connects us to the world around us, teaching us about both natural and built environments. Environmental education raises awareness of issues impacting the environment upon which we all depend, as well as actions we can take to improve and protect it. Students develop critical-thinking, problem-solving and decision-making skills.

The academic offer of the Environmental education sector will provide therefore you with knowledge and understanding of the environment and the environmental challenges, as well as with the necessary skills to identify and help resolve them. Students have the opportunity to reflect on cases that lead to climate change, mitigation and depollution of air, water and soil. They will also get to know, adopt and understand the most relevant scientific and professional terminology and literature in the field of ecological psychology. The sector

guides students to the essentials of environmentally friendly practices that can be applied to several activities of blue economy, such as tourism, airports, etc.

To learn more and gain the competences in Environmental Education we recommend to choose from the following **courses**:

Sector	Topic	Course	Semester	ECTS	University
Environmental Education	4. Environmental Education	4.1. Environmental Education	Autumn	6	UCV
		4.2. Pollution/Depollution (water, air, soil)	Autumn	6	UTCB
		4.3 RESCUE (Resilience, Climate Change and the European Union)	Spring	6	LRUniv
	5. Ecological Psychology	5.1. Ecological Psychology	Spring	6	UNIZD
	6. Effects of Climate Change	6.1. Effects of Climate Change	Spring	6	UTCB
		6.2. Effects of Climate Change on Coastal Areas	Autumn	6	AUA

Employability

Coastal resources management, Public administration, Environmental and business consultancies, Environmental protection, Regional development, Education (primary, secondary and higher).

Topic: Environmental Education		
Course: Environmental Education		
University: Universidad Católica de Valencia		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Spanish National Agency for the Assessment of Quality and Accreditation (ANECA) as part of an official UCV study programme.		
What will you learn:		
<ul style="list-style-type: none"> • The meaning and relevance of Environmental Education as a management tool, • How the global environmental situation is, as well as the current environmental issues, • Deeper understanding of environmental issues as well as acquisition of fundamental skills to make informed and responsible decisions, • Methodologies and resources in Environmental Education and will acquire guidelines and skills to design environmental education activities in formal, and non-formal contexts. 		
Who is this course for?		
<p>The course is:</p> <ul style="list-style-type: none"> • Open for students from any study programme. • Recommended to students of all study years, especially those with focus in Education, Environmental Management, Tourism, and Biodiversity. <p>Your track in EU-CONEXUS Minors:</p> <p>This course is especially beneficial after or before: Environmental Impact Assessment, Protected Spaces and Species Recovery, or any other course from this Minor Program.</p>		
Course activities:		
<ul style="list-style-type: none"> • Environmental Education Project design and development. • Application of innovative methodologies in Education to the field of the Environmental Education (for instance: role-play games, educative breakout, cinemaforum, etc.). • Experts' specialized lectures. 		
Soft skills:		
Group/team working, innovation/creativity, ICT skills, project management.		
Prerequisites:		
None.		
More information:		
https://www.ucv.es/oferta-academica/grados/grado-en-ciencias-del-mar/seccion/guias-docentes/fichero/ficheroquiadocenteingles/id/270204/plan/2008/mod/2016		

Topic: Environmental Education		
Course: Pollution/Depollution (water, air, soil)		
University: Technical University of Civil Engineering Bucharest		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Romanian Agency for Quality Assurance in Higher Education (ARCAIS) as part of an official UTCB study programme. The study programme has also the EUR-ACE® label from the European Network for Accreditation of Engineering Education (ENAAE).		
What will you learn:		
<ul style="list-style-type: none"> • Basic concepts and definitions about a pollutant, types of pollutants and pollution accidents in the world • Identify different pathways between the pollution source and the receptor will be identified for different pollution scenarios • Creating a sampling plan, physical-chemical techniques and analysis • Analyze of the main quality parameters of water used for drinking water preparation 		
Who is this course for?		
<ul style="list-style-type: none"> • General course - open for students from any study programme from engineering to humanistic fields or entrepreneurship 		
Course activities:		
<ul style="list-style-type: none"> • This course offers a physical mobility of one week based on research activities in UTCB Water Treatment Laboratory • Presentations of some practical methods for remedying of the quality of polluted environmental factors • Experts' lectures 		
Soft skills:		
Group/team working, basic problem solving skills, international communication, analytical skills.		
Prerequisites:		
Computer literacy, basic use of Microsoft Office package. The course will introduce all the necessary technical notions.		
More information:		
https://utcb.ro/en/eu-conexus/minor-programmes/coastal-development-and-sustainable-maritime-tourism/pollution-depollution-water-air-soil/		

Topic: Environmental Education		
Course: RESCUE - (RESILIENCE, CLIMATE CHANGE AND THE EUROPEAN UNION)		
University: La Rochelle Université		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the French Ministry of Higher Education, Research and Innovation as part of an initial degree programme at La Rochelle University.		
What will you learn:		
<ul style="list-style-type: none"> • How climate change impacts our societies • How the European Union is responding to this challenge through many concrete initiatives within the framework of its climate, environmental, energy, maritime, social and research policies...(etc.) • How European cooperation at all level of society as well as external partnerships can support the overall objective of resilience to climate change 		
Who is this course for?		
<p>The course is:</p> <ul style="list-style-type: none"> • Open for students from any study programme. <p><i>Your track in EU-CONEXUS Minors:</i></p> <p>This course is especially beneficial after or before: entrepreneurship, sustainable blue economy, Ocean governance and blue economy, Coastal Tourism Facing Social and Environmental Transition.</p>		
Course activities:		
<ul style="list-style-type: none"> • Group work • Case studies • Lectures 		
Soft skills:		
Analytical thinking, curiosity, ability to work in interdisciplinary group, prospective thinking		
Prerequisites:		
None.		
More information:		
https://www.univ-larochelle.fr/actualites/module-rescue-resilience-changement-climatique-et-union-europeenne/		

Topic: Ecological Psychology		
Course: Ecological Psychology		
University: University of Zadar		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Agency for Science and Higher Education (AZVO) as part of official UNIZD study programmes.		
What will you learn:		
<ul style="list-style-type: none"> • Get to know, adopt, and understand the most relevant scientific and professional terminology and literature in the field of ecological psychology. • To be acquainted with the methods of ecological psychologists, and to encourage critical reflection on fundamental issues and problems in the same field. • Students would be listening to lectures on various themes in the area (e.g. perception and preference of different environments, environmental stress, promoting pro-environmental behavior, eco-therapy, etc.) and will be given essay and practical assignments related to these themes on a weekly basis. 		
Course activities:		
<p>Besides lectures of experts in the field, the related assignments throughout the course give opportunities for the other stated course activities:</p> <ul style="list-style-type: none"> • Workshops, • Field work, • Teamwork, • Collaboration, • Discussion. 		
Soft skills:		
Group/team working, innovation/creativity, international communication, project management, analytical skills, problem solving, research, written communication, presentation.		
Prerequisites:		
Basic knowledge in scientific methodology and statistical procedures.		
More information:		
https://www.unizd.hr/Portals/0/ms/syllabi/20_21_PSIH_W_Basics%20of%20Ecological%20Psychology.pdf?ver=2020-05-20-112339-447		

Topic: Effects of Climate Change		
Course: Effects of Climate Change		
University: Technical University of Civil Engineering Bucharest		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Romanian Agency for Quality Assurance in Higher Education (ARCAIS) as part of an official UTCB study programme. The study programme has also the EUR-ACE® label from the European Network for Accreditation of Engineering Education (ENAAE)		
What will you learn:		
<ul style="list-style-type: none"> • New perspective on the effects of climate change on the physical assets and infrastructure • How to assess and evaluate the effects of climate changes on an existing or newly built investment and the effects of investment on the environment • How to identify concrete measures for current and future climate adaptation • Introduction into the political efforts and legislation to avoid/reduce/adapt to climate changes. 		
Who is this course for?		
<ul style="list-style-type: none"> • General course - open for students from any study program from engineering to humanistic fields or entrepreneurship 		
Course activities:		
<ul style="list-style-type: none"> • Practical projects to assess the sensitivity, exposure and vulnerability of new or existing investment to climate change • Experts' lectures • Climatic and meteorological data analysis, and data processing, using GIS tools 		
Soft skills:		
Group/team working, basic problem solving skills, international communication, analytical skills.		
Prerequisites:		
None.		
More information:		
https://utcb.ro/en/eu-conexus/minor-programmes/coastal-development-and-sustainable-maritime-tourism/effects-of-climate-change/		

Topic: Effects of Climate Change		
Course: Effects of Climate Change on Coastal Areas		
University: Agricultural University of Athens		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Hellenic Authority for Higher Education (HAHE) as part of an official AUA study programme.		
What will you learn:		
<ul style="list-style-type: none"> • Understanding of the natural and physical dimensions and processes involved in climate change. • Effects of climate change on the ocean and coastal areas, with a particular focus on the adverse effects on biodiversity (e.g. coral reefs) and blue growth (e.g. aquaculture). • How climate change impacts on tourism, the international agreements about the mitigation of the phenomenon and the goals and deadlines that need to be reached. • Essentials of environmentally friendly practices that can be applied to tourism with emphasis on the accommodation and food and beverages sector. • Major infrastructure works adapted to climate change challenges. 		
Who is this course for?		
<p>The course is:</p> <ul style="list-style-type: none"> • open for students from any study programme • recommended to the students of the last study semesters who are interested in environmental sciences, natural resource exploitation and sustainable development <p>Your track in EU-CONEXUS Minors: This course is especially beneficial after or before: Effects of Climate Change, Environmental Education, Pollution/Depollution or any other course from this Minor Programme.</p>		
Course activities:		
<ul style="list-style-type: none"> • Conduct case studies and observe what they learn through movies and the internet • Success stories of various entrepreneurs • Lectures on pollution, prepared by the educational unit of Hellenic Centre of Marine Research 		
Soft skills:		
Group/team working, research (scientific writing and oral presentation), and ICT skills.		
Prerequisites:		
None.		



Human Geography Sector

Human geography is an important field of geography. Studies of society and its activities related to the application of the spatial, structural and dynamic approach, which implies on the application of interdisciplinary approach within social sciences and humanities, it enables the elaboration of evidence-based solutions captured by different social, economic and cultural factors in the coastal regions. Theoretical and methodological concepts both facilitate the application of retrospective and retrogressive approaches in the analysis of societal processes and their spatial changes in the coastland, which requires the application of systematic analysis of the coastal regions. Contribution of spatial concepts as the application of territorially related quantitative and qualitative data, territorial analysis of social, economic and cultural structures and their changes in time and space, as well analysis of factors, all these affect scenarios of social, economic and cultural developments. The interdisciplinary approach requires the elaboration of the spatial bond, which is used in the studies of developments of maritime culture, history and geography of socio-economic changes in coastlands.

To learn more and gain the competences in Human Geography we recommend to choose from the following **courses**:

Sector	Topic	Course	Semester	ECTS	University
Human Geography	7. Culture and Heritage	7.1. Cultural Geography	Spring	6	UNIZD
	8. Maritime Geography	8.1. Coastal Geography (practices, stakeholders, conflicts, governance)	Autumn	6	LRUniv
		8.3. Management of Smart Coastal Cities	Autumn	6	KU

Employability

Spatial and strategical planners, public administration, specialists of regional development, maritime logistics, analysts of transportation systems, port operators, coastal/water tourism managers, business economy, business management, managers of cultural events.

Topic: Culture and Heritage		
Course: Cultural Geography		
University: University of Zadar		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Agency for Science and Higher Education (AZVO) as part of official UNIZD study programmes.		
What will you learn:		
<ul style="list-style-type: none"> • Define and explain approaches in investigating cultural geography (traditional cultural geography, Humanist Geography, the Berkeley School, New Cultural Geography) • Recognize and describe cultural changes in space and time • Deeper understanding of the learned facts about the relationship between culture and space; the way of life, customs, architecture, tradition, religion, and language • Analyse societal processes and their influence on the changes in space (inequalities, political influences, economic influences) 		
Who is this course for?		
The course is: <ul style="list-style-type: none"> • Open for students from any study programme. • Recommended to students of all study years, especially those with focus in Education, Environmental Management and Tourism. 		
Course activities:		
Students presentations		
Soft skills:		
Analytical skills, group/team working, research, written communication, presentation, intercultural skills.		
Prerequisites:		
None.		
More information:		
https://www.unizd.hr/Portals/0/ms/syllabi/20_21_GEO_undergraduate%20Courses.pdf?ver=2020-03-09-104546-543		

Topic: Maritime Geography		
Course: Coastal Geography (practices, stakeholders, conflicts, governance)		
University: La Rochelle Université		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the French Ministry of Higher Education, Research, and Innovation as part of an initial degree programme at La Rochelle University.		
What will you learn:		
<ul style="list-style-type: none"> • To discover the major types of coastal environments in the world related to geography • To discuss the main principles of coastal environments as well as the factors that drive their evolution. • To understand the forms and dynamics of coastal development and management, which make society a full player in their evolution of coastal environments (coastal natural hazards, implementation of developments, protection policies). 		
Who is this course for?		
<p>This course is:</p> <p>Open for students from any study programme.</p> <p><i>Your track in EU-CONEXUS Minors:</i></p> <p>This course is especially beneficial after or before: Coastal zone management, GIS, Effects of climate change on Coastal Areas, Sustainable Tourism Development, Natural Hazards in Coastal Regions, Entrepreneurship and Innovation around Sustainable Tourism.</p>		
Course activities:		
Experts' lectures.		
Soft skills:		
Analytical skills, group/team working, problem solving, research, presentation, international communication.		
Prerequisites:		
None		

Topic: Maritime Geography		
Course: Management of smart coastal cities		
University: Klaipeda University		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Klaipeda university committee of study field		
What will you learn:		
<ul style="list-style-type: none"> • Directions of smart city development. Management specifics of smart coastal cities, • Managing business and entrepreneurship in the smart coastal city, • Implementation of new technologies in coastal city infrastructure, • Sustainable mobility in the development of a smart coastal city and its management, • Energy development in a smart coastal city, • Sustainable building in a smart coastal city, • Demographic challenge for an effective coastal smart city, • Smart urbanization, • Culture in smart cities, • Progressive coastal urban planning, • Governance rules for managing smart city information, • Engaging communities and citizens in smart city governance. 		
Who is this course for?		
<p>The course is:</p> <ul style="list-style-type: none"> • Open for students from any study programme • Recommended for students who want to get acquainted with the concept of smart cities and the features of life in them. <p>Your track in EU-CONEXUS Minors: This course is especially beneficial after or before taking any other subject from this minor.</p>		
Course activities:		
<ul style="list-style-type: none"> • Innovative learning experience (case method teaching) • Interactive seminars • Experts' lectures • Work with projects 		
Soft skills:		
Group/team working, international communication, project management		
Prerequisites:		
None		



Sustainable Tourism Sector

Sustainable tourism is a long-term, 'smart' tourism strategy. It implies an optimal use of natural resources while preserving ecological processes, natural heritage, and biological diversity. It promotes respect for the social and cultural values of the community and preservation of cultural heritage and traditional values with intercultural understanding and tolerance as well as widespread European values and culture. It includes long-term planning to improve economic opportunities and alleviate poverty while constantly contributing to social opportunities within the community.

In other words, sustainable tourism is an effort to minimise the impact on the environment and local culture, while enabling job creation for local people in the future.

The academic offer of the Sustainable Tourism sector will, therefore, provide you knowledge in basic principles of sustainability and some aspects of the planning of maritime tourism to acquire the necessary expertise to manage sustainable tourism's processes and to balance environmental, economic, cultural and human activities in tourism.

To learn more and gain the competences in Human Geography we recommend to choose

Sector	Topic	Course	Semester	ECTS	University
Sustainable Tourism	10. Tourism and Sustainability	10.1. Sustainable Tourism Development	Spring	6	KU
		10.2. Sustainable Tourism Development	Autumn	6	AUA
		10.3. Tourism Facing Digital Transition	Spring	6	LRUniv
		10.4. Coastal Tourism Facing Social and Environmental Transition	Spring	6	LRUniv
		10.5. Entrepreneurship and Innovation around Sustainable Tourism	Spring	6	LRUniv
		10.6 Entrepreneurship	Autumn	6	AUA
		10.7 Entrepreneurship	Spring	6	UNIZD
		10.8 Creativity and Innovation Management	Spring	6	UCV
	11. Spatial Planning of Maritime Tourism	11.1. Spatial Planning of Maritime Tourism	Spring	6	KU
	12. Performant Built Facilities for Sustainable Tourism	12.2. Sustainable Buildings for Tourism	Spring	6	UTCB

Employability

Expertise in sustainable tourism is required in every economic sector which is related to tourism: public sector (relevant ministries and agencies), local community organisations, all segments of the tourism industry, environmental protection, regional development, architecture and building, transport providers, etc.

Topic: Tourism and Sustainability		
Course: Sustainable Tourism Development		
University: Klaipeda University		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Klaipeda university committee of study field		
What will you learn:		
<ul style="list-style-type: none"> • Concepts of sustainable tourism development, • Sustainable tourism models, principles, and their practical application in tourism management, • Strengths and challenges of tourism as a tool for sustainable development, • The main actors of sustainable tourism, their impact, and mutual interaction, • The impact of the tourism industry on local communities, • The impact of sustainable tourism on different types of tourism sectors and types of tourism. 		
Who is this course for?		
<p>The course is:</p> <ul style="list-style-type: none"> • Open for students from any study programme, • Recommended for students who want to learn more about sustainable tourism, especially sustainable coastal tourism. <p><i>Your track in EU-CONEXUS Minors:</i></p> <p>This course is especially beneficial after or before taking any other subject from this minor.</p>		
Course activities:		
<ul style="list-style-type: none"> • Innovative learning experience (case method teaching) • Experts' lectures • International group project 		
Soft skills:		
Analytical skills, group/team working, international communication, problem solving, presentation, creativity.		
Prerequisites:		
None.		
More information:		
This course is part of the Minor in Blue Economy and Growth, too.		

Topic: Sustainable Tourism Development		
Course: Sustainable Tourism Development		
University: Agricultural University of Athens		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Hellenic Authority for Higher Education (HAHE) as part of an official AUA study programme.		
What will you learn:		
<ul style="list-style-type: none"> • Concepts of environmental impact • Sustainability and the challenges proposed in the New Economics paradigm, from which tourism can borrow examples of development. • Nature of externalities generated by tourism, the difference between the generation of income and wellbeing, analysing environmental impacts caused by tourism, understanding the difference between renewable and non-renewable resources and the treatment of the environment as a sink. • Basic tools for economic valuation that could be employed for all-inclusive pricing of tourism products, which will also enable full compensation for the environmental impact caused by tourism, particularly for socially fair pricing of open-access resources. • Major policy events and summits from which new deadlines for correcting environmental damaging behaviours, there are various tools available, through which unsustainable cases can be remedied or even circumvented (e.g. taxes, permits, ownership, subsidies, laws and controls, corporate social responsibility, special designation, tradable rights, tourism eco-labelling, certification and award schemes, ecotourism approaches, etc.). 		
Who is this course for?		
<p>The course is:</p> <ul style="list-style-type: none"> • Open for students from any study programme • Recommended to the students of the last study semesters who are interested in understanding of the complex challenges facing the tourism industry and gaining the knowledge and skills to create sustainable and responsible tourism solutions. <p>Your track in EU-CONEXUS Minors:</p> <p>This course is especially beneficial after or before: Entrepreneurship and Innovation around Sustainable Tourism, or any other course from this Minor Programme.</p>		
Course activities:		
<ul style="list-style-type: none"> • Presentation of case studies and movies. • Major case studies reflection and observation of learning through movies and YouTube material. 		
Soft skills:		
Group/team working, research (scientific writing and oral presentation), ICT skills.		
Prerequisites:		
None.		

Topic: Tourism and Sustainability		
Course: Tourism Facing Digital Transition		
University: La Rochelle Université		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the French Ministry of Higher Education, Research and Innovation as part of an initial degree programme at La Rochelle University.		
What will you learn:		
<ul style="list-style-type: none"> • To discover the core technologies used in the digital tools for tourism (eTourism): • To explain how touristic information could be scrapped and cached in various digital content and format to ease its usability by the other steps. • To extract the most important features like the named entities in order to understand which Topic is developed in the content and to retrieve information • To describe a human trajectory place in the spotlight the semantically rich trajectory. (person's path, sequence of visited places) • To process a large amount of content on the one hand, and to be able to retrieve relevant information on the other hand. 		
Who is this course for?		
<p>This course is:</p> <p>Open for students from any study programme</p> <p><i>Your track in EU-CONEXUS Minors:</i></p> <p>This course is especially beneficial after or before: Coastal Geography, Social Economic Geography of Coastlands, Sustainable Tourism Development, Entrepreneurship and Innovation around Sustainable Tourism.</p>		
Course activities:		
Experts' lectures.		
Soft skills:		
Analytical skills, group/team working, problem solving, research, presentation, international communication.		
Prerequisites:		
None.		

Topic: Tourism and Sustainability		
Course: Coastal Tourism Facing Social and Environmental Transition		
University: La Rochelle Université		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the French Ministry of Higher Education, Research and Innovation as part of an initial degree programme at La Rochelle University.		
What will you learn:		
<ul style="list-style-type: none"> • How to deal with the emergence of sustainable tourism around the world and analyse forms of sustainable tourism • To explain sustainable tourism issues in coastal territories and for coastal societies, its strengths and limitations of development 		
Who is this course for?		
<p>This course is:</p> <p>Open for students from any study programme</p> <p><i>Your track in EU-CONEXUS Minors:</i></p> <p>This course is especially beneficial after or before: Social Economic Geography of Coastlands, Sustainable Tourism Development, Performant Build Facilities for Sustainable Tourism, Entrepreneurship and Innovation around Sustainable Tourism.</p>		
Course activities:		
<ul style="list-style-type: none"> • Experts' lectures • Groups' work 		
Soft skills:		
Analytical skills, group/team working, problem solving, research, presentation, international communication.		
Prerequisites:		
None.		

Topic: Tourism and Sustainability		
Course: Entrepreneurship and Innovation around Sustainable Tourism		
University: La Rochelle Université		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the French Ministry of Higher Education, Research and Innovation as part of an initial degree programme at La Rochelle University.		
What will you learn:		
<ul style="list-style-type: none"> • To formalize an idea into a project through creativity sessions • What innovation is and how it is inseparable from entrepreneurship. • All the entrepreneurial concepts addressed are in line with societal, environmental and sustainable issues. 		
Who is this course for?		
<p>This course is:</p> <p>Open for students from any study programme</p> <p><i>Your track in EU-CONEXUS Minors:</i></p> <p>This course is especially beneficial after or before : every course offered</p>		
Course activities:		
<ul style="list-style-type: none"> • Escape Game • Case study • Lectures • Workshop • Mobility to La Rochelle 		
Soft skills:		
Analytical skills, group/team working, problem solving, research, presentation, Innovation/creativity, project management.		
Prerequisites:		
None.		

Topic: Tourism and Sustainability		
Course: Entrepreneurship		
University: Agricultural University of Athens		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Hellenic Authority for Higher Education (HAHE) as part of an official AUA study programme.		
What will you learn:		
<ul style="list-style-type: none"> • Concept of entrepreneurship and the steps for successful entrepreneurship, • Nature of startups, what constitutes corporate entrepreneurship, the acknowledgement of entrepreneurial opportunities in coastal and marine tourism, • Fundamental entrepreneurship skills and the management of creativity of innovation, • Different definitions of innovation, its implementation and how innovation is incorporated in the tourism business. <p>By the end of the course, the student will be able to recognize creative and innovative opportunities and will be able to turn them to the benefit of a tourism business.</p>		
Who is this course for?		
<p>The course is:</p> <ul style="list-style-type: none"> • Open for students from any study programme, especially those studying Economics, Management or Business. • Recommended to the students of the last study semesters who are interested in entrepreneurial spirit and mindset, technology, innovation, and management. <p>Your track in EU-CONEXUS Minors:</p> <p>This course is especially beneficial after or before: Creativity and Innovation Management, Entrepreneurship and Innovation around Sustainable Tourism, or any other course from this Minor Programme.</p>		
Course activities		
<ul style="list-style-type: none"> • Presentation of case studies and movies • Interviews of case studies and movies • Major case studies reflection and observation of learning through movies and YouTube material 		
Soft skills:		
Group/team working, research (scientific writing and oral presentation), ICT skills.		
Prerequisites:		
None		
More information:		
https://moodle.eu-conexus.eu/2022/course/view.php?id=28		

Topic: Tourism and Sustainability		
Course: Entrepreneurship		
University: University of Zadar		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Agency for Science and Higher Education (AZVO) as part of official UNIZD study programmes.		
What will you learn:		
<ul style="list-style-type: none"> • Basic principles of entrepreneurship, • The role of entrepreneurship in economic and social life, • How to turn an idea into a business project, • How to create a simple business plan. 		
Who is this course for?		
The course is: <ul style="list-style-type: none"> • Open for students from any study programme • Recommended to the students who want to learn how to design a business project in a simple way <p>Your track in EU-CONEXUS Minors:</p> <p>The course is especially useful for students who want to design their own business project and analyze it through the creation of a business plan, whether it is profitable or not.</p>		
Course activities:		
<ul style="list-style-type: none"> • Acquiring basic knowledge about entrepreneurship • Designing your own business project • Expert lecture • Creation of a simple business plan 		
Soft skills:		
Own project designing, presentation skills, investment profitability analysis		
Prerequisites:		
None.		

Topic: Tourism and Sustainability		
Course: Creativity and Innovation Management		
University: Universidad Católica de Valencia		
6 ECTS	Language:	English
Stage of accreditation : Accredited by the Spanish National Agency for the Assessment of Quality and Accreditation (ANECA) as part of an official UCV study programme		
What will you learn:		
<ul style="list-style-type: none"> • Basic concepts and tools to implement and operate innovation management in an organisation, skills and values needed to carry out a collaborative creative work aimed at achieving objectives of improvement and innovation, • Basic concepts of managing innovation and creativity, • The innovation strategy and value creation, • How to build an innovative organisation, • How to follow an innovation process. 		
Who is this course for?		
The course is: <ul style="list-style-type: none"> • Open for students from any study programme • Recommended to the students of the last study years, especially those who have already thought of some product or service and would like to learn more how to develop the innovation from the idea to the market <p><i>Your track in EU-CONEXUS Minors:</i></p> <p>This course is especially beneficial after or before: Entrepreneurship, Environmental Economics, Ocean governance and Blue Economy, or any other course from this Minor Programme.</p>		
Course activities:		
<ul style="list-style-type: none"> • Innovative learning experience (case method teaching) • Experts' lectures • Work with entrepreneurs to build individual innovation strategy 		
Soft skills:		
Group/team working, innovation/creativity, international communication, project management.		
Prerequisites:		
None.		
More information:		
https://www.ucv.es/oferta-academica/grados/grado-en-administracion-y-direccion-de-empresas/seccion/guias-docentes/fichero/ficheroGuiadocenteingles/id/302016/plan/2008/mod/2016		

Topic: Spatial Planning of Maritime Tourism		
Course: Spatial Planning of Maritime Tourism		
University: Klaipeda University		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Klaipeda university committee of study field		
What will you learn:		
<ul style="list-style-type: none"> • Theoretical concepts and practical aspects of maritime tourism, • Application of spatial planning concepts and their methods, • Territorial analysis of the complex, • A tentative plan of spatial planning of maritime tourism. 		
Who is this course for?		
<p>The course is:</p> <ul style="list-style-type: none"> • Open for students from any study programme • Recommended for students who want to understand how to apply spatial planning concepts and their methods to reveal the potential of maritime tourism in different practices on a worldwide scale. <p>Your track in EU-CONEXUS Minors:</p> <p>This course is especially beneficial after or before take any other subject from this minor.</p>		
Course activities:		
<ul style="list-style-type: none"> • Innovative learning experience (case method teaching) • Experts' lectures • International group project • Interactive seminars • Work with regional development projects • Work with strategical planning documents • Application of GIS in spatial planning 		
Soft skills:		
Analytical skills, group/team working, international communication, problem solving, presentation.		
Prerequisites:		
None		

Topic: Performant Buildings for Tourism		
Course: Sustainable Buildings for Tourism		
University: Technical University of Civil Engineering Bucharest		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Romanian Agency for Quality Assurance in Higher Education (ARCAIS) as part of an official UTCB study programme. The study programme has also the EUR-ACE® label from the European Network for Accreditation of Engineering Education (ENAAE)		
What will you learn:		
<ul style="list-style-type: none"> • Basic concept and design of sustainable buildings for Tourism • How to analyze from multidisciplinary perspective Tourism buildings (architecture, design, materials engineering, physics, tourists' behaviors) • The role of sustainable building materials and of energy efficiency in building Tourism facilities 		
Who is this course for?		
General course - open for students from any study programme from engineering to humanistic fields, entrepreneurship, tourism, design, architecture etc		
Course activities:		
<ul style="list-style-type: none"> • Group projects – design and comfort of Tourism buildings on the coast • Present study case on Romanian coast: Presentation Dobrogea - Danube - Danube Delta - Black Sea (multiculturalism, biodiversity) • Experts' lectures 		
Soft skills:		
Analytical skills, group/team working, problem solving, written communication, presentation, innovation/creativity, project management.		
Prerequisites:		
Group/team working, problem solving skills, international communication, analytical skills.		
More information:		
https://utcb.ro/en/eu-conexus/minor-programmes/coastal-development-and-sustainable-maritime-tourism/performant-built-facilities-for-sustainable-tourism/		



Coastal Engineering Sector

Coastal regions are characterised by a concentration of population and economic activities and they are often of major touristic importance. They have an important environmental impact and are subject to significant natural hazards.

Within this sector, students will gain an overview of the built environment in coastal regions, its components and their characteristics (civil, industrial, agricultural, hydro-technical constructions), will understand how to address the durability and sustainability and what are the challenges associated to the environmental impact, will learn about the natural hazards affecting the coastal regions (earthquakes, wind, landslides, erosion, etc.). Everything will be addressed concerning the European regulations.

To learn more and gain the competences in Coastal Engineering we recommend to choose from the following **courses**:

Sector	Topic	Course	Semester	ECTS	University
Coastal Engineering	13. Environmental Impact Assessment	13.1. Environmental Impact Assessment	Autumn	6	UCV
	14. Sustainable Built Environment	14.1. Sustainable Built Environment	Autumn	6	UTCB
	15. Natural Hazards in Coastal Regions	15.1. Natural Hazards in Coastal Regions	Spring	6	UTCB

Employability

Regional development organisations (governmental and NGO), Public administration (local, regional, national), Environmental agencies (governmental and NGO), Business development, investment and insurance organisations, Civil engineering, Real estate.

Topic: Environmental Impact Assessment		
Course: Environmental Impact Assessment		
University: Universidad Católica de Valencia		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Spanish National Agency for the Assessment of Quality and Accreditation (ANECA) as part of an official UCV study programme		
What will you learn:		
<ul style="list-style-type: none"> • To identify, predict and evaluate the economic, environmental and social impact of development activities, • Information on the environmental consequences for decision-making, • To promote environmentally sustainable development through the identification of appropriate alternatives and mitigation measures, • Legislative framework of the Environmental Impact Assessment (EIA) in Europe, as well as the structure, content and general methodology in Environmental Impact Reports (EIRs), • Knowledge on main environmental problems and specific actions in the maritime and maritime-terrestrial domains. 		
Who is this course for?		
<p>The course is:</p> <ul style="list-style-type: none"> • Open for students from any study programme • Recommended to the students of the last study years, and/or with certain background in engineering, natural sciences and/or social sciences. <p>Your track in EU-CONEXUS Minors:</p> <p>This course is especially beneficial after or before: Environmental Education, Protected Spaces and Species Recovery, Environmental Economics, or any other course from this Minor Program.</p>		
Course activities:		
<ul style="list-style-type: none"> • Group Project: to elaborate an EIR, including the characterization of the biotic, abiotic and socio-economic environment using online databases, the proposal of measures to mitigate environmental impact and the establishment of a monitoring plan. • Experts' specialised lectures. • Study of real cases through case-method teaching 		
Soft skills:		
Conflict management, group/team working, written communication, project management.		
Prerequisites:		
Basic background in general concepts of civil, environmental (including marine) or agronomic engineering, or natural sciences (biodiversity, ecology and geology) and/or social sciences (economy, demography, law, management, etc).		
More information:		
https://www.ucv.es/oferta-academica/grados/grado-en-ciencias-del-mar/seccion/guias-docentes/fichero/ficheroquiadocenteingles/id/270207/plan/2008/mod/2016		

Topic: Sustainable Built Environment		
Course: Sustainable Built Environment		
University: Technical University of Civil Engineering Bucharest		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Romanian Agency for Quality Assurance in Higher Education (ARCAIS) as part of an official UTCB study programme. The study programme has also the EUR-ACE® label from the European Network for Accreditation of Engineering Education (ENAE)		
What will you learn:		
<ul style="list-style-type: none"> • Realize and analyze a sustainable project design, a work method that is intended to ensure optimal results for the environment • Basic concepts in Green certification services; Leed and Breeam presentation • Criteria and principles for projects developed and for tourism in coastal and maritime area • How to design the durability of concrete and of Sustainable buildings 		
Who is this course for?		
<ul style="list-style-type: none"> • The course is especially relevant for students with an academic background in engineering or interested in building sustainable projects (sustainable entrepreneurship, environmental NGOs etc) 		
Course activities:		
<ul style="list-style-type: none"> • Group projects – innovative design projects of the future for 2050 • Analyze Case studies and Technical applications • Group problem solving activities: Problems associated with coastal phenomena. Coastal defense systems. • Experts' lectures 		
Soft skills:		
Group/team working, problem solving skills, international communication, analytical skills.		
Prerequisites:		
None.		
More information :		
https://utcb.ro/en/eu-conexus/minor-programmes/coastal-development-and-sustainable-maritime-tourism/sustainable-built-environment/ms-and-remote-sensing/		

Topic: Natural Hazards in Coastal Regions		
Course: Natural Hazards in Coastal Regions		
University: Technical University of Civil Engineering Bucharest		
6 ECTS	Language:	English
Stage of accreditation: Accredited by the Romanian Agency for Quality Assurance in Higher Education (ARCAIS) as part of an official UTCB study programme. The study programme has also the EUR-ACE® label from the European Network for Accreditation of Engineering Education (ENAE)		
What will you learn:		
<ul style="list-style-type: none"> • Relevant information about the Earthquakes, Tsunamis, volcanoes and wind, Sea level change, Landslides. • Basic concepts about hazard assessment. • How to analyze and assess major types of natural hazards in terms of underlying causes, as well as their socio-economic and environmental impacts. • Investigate the mechanism, origin, and impacts on coastal regions and also focus on the approaches for mitigating and minimizing hazards. 		
Who is this course for?		
The course is especially relevant for students with an academic background in technical sciences (physics, mathematics, engineering, biology, ecology, etc.) or having relevant interest in environmental impact (the course can be personalized for students studying also human sciences)		
Course activities:		
<ul style="list-style-type: none"> • Group discussions about the measures adopted by many countries, based on case studies, how to manage a possible failure of defense measures • Analyze statistics and applications to better understand the need for coastal defenses • Experts' lectures 		
Soft skills:		
Group/team working, problem solving skills, international communication, analytical skills.		
Prerequisites:		
None.		
More information :		
https://utcb.ro/en/eu-conexus/minor-programmes/coastal-development-and-sustainable-maritime-tourism/natural-hazards-in-coastal-regions/		

Summary. Courses in 2024-25 academic year

In the Table below presents all the courses that will be offered in a virtual or blended teaching mode from the academic year 2024-25.

Sector	Topic	Course	Semester	ECTS	University
Biodiversity and Coastal Zone Management	1. Biodiversity	1.1. Hydrobiology-Planktology	Autumn	6	AUA
		1.2 Agrobiodiversity and Ecosystem Services	Spring	6	UROS
	2. Coastal Management	2.1. Protected Areas and Recovery of Species	Autumn	6	UCV
		2.2. Coastal Zone Management	Autumn	6	KU
	3. GIS	3.1. Geographic Information Systems and Remote Sensing	Autumn	6	UTCB
		3.2. Geographical Information System and Remote Sensing	Spring	6	KU
Environmental Education	4. Environmental Education	4.1. Environmental Education	Autumn	6	UCV
		4.2. Pollution / Depollution (water, air, soil)	Autumn	6	UTCB
		4.3 RESCUE (Resilience, Climate Change and the European Union)	Spring	6	LRUniv
	5. Ecological Psychology	5.1. Ecological Psychology	Spring	6	UNIZD
	6. Effects of Climate Change	6.1. Effects of Climate Change	Spring	6	UTCB
		6.2. Effects of Climate Change on Coastal Areas	Autumn	6	AUA
Human Geography	7. Culture and Heritage	7.1. Cultural Geography	Spring	6	UNIZD
	8. Maritime Geography	8.1. Coastal Geography (practices, stakeholders, conflicts, governance)	Autumn	6	LRUniv

		8.3. Management of Smart Coastal Cities	Autumn	6	KU
Sustainable Tourism	10. Tourism and Sustainability	10.1. Sustainable Tourism Development	Spring	6	KU
		10.2. Sustainable Tourism Development	Autumn	6	AUA
		10.3. Tourism Facing Digital Transition	Spring	6	LRUniv
		10.4. Coastal Tourism Facing Social and Environmental Transition	Spring	6	LRUniv
		10.5. Entrepreneurship and Innovation around Sustainable Tourism	Spring	6	LRUniv
		10.6. Entrepreneurship	Spring	6	AUA
		10.7. Entrepreneurship	Autumn	6	UNIZD
		10.8. Creativity and Innovation Management	Spring	6	UCV
	11. Spatial Planning of Maritime Tourism	11.1. Spatial Planning of Maritime Tourism	Spring	6	KU
	12. Performant Built Facilities for Sustainable Tourism	12.2. Sustainable Buildings for Tourism	Spring	6	UTCB
Coastal Engineering	13. Environmental Impact Assessment	13.1. Environmental Impact Assessment	Autumn	6	UCV
	14. Sustainable Built Environment	14.1. Sustainable Built Environment	Autumn	6	UTCB
	15. Natural Hazards in Coastal Regions	15.1. Natural Hazards in Coastal Regions	Spring	6	UTCB

Reminder: for fulfilling a Minor, students must select 5 courses from at least 2 different sectors (within the same Minor) and from at least 3 different universities; maximum 2 courses from home university.