



# EU-CONEXUS Catalogue of PhD Courses

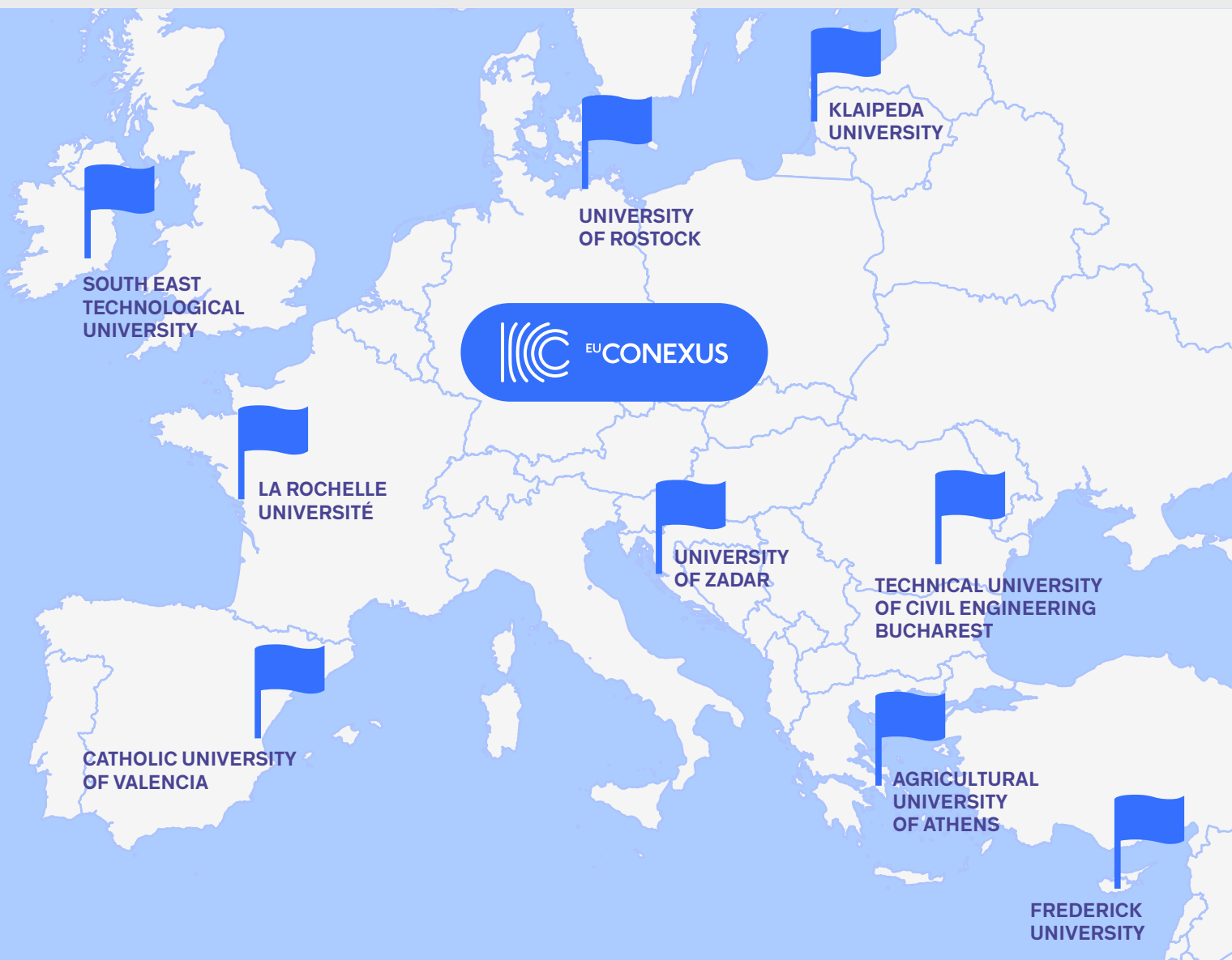
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# About EU-CONEXUS

We are expanding the academic opportunities for students with the EU-CONEXUS Catalogue of PhD Courses, accessible to all alliance's PhD and postdoctoral students, including those of our associated partner, Odessa I.I.Mechnikov National University and University of Cape Coast, Ghana. The European University for Smart Urban Coastal Sustainability represents a transnational institution for higher education and research, offering a comprehensive view of smart urban sustainable coastal development. This thematic provides EU-CONEXUS with a distinct competitive edge, allowing it to develop complementary thematic expertise from all its partner institutions and regional ecosystems, utilizing interdisciplinary and transdisciplinary approaches. Thus, we have created a PhD Catalogue of transversal and SmUCS - related (Smart Urban Coastal Sustainability) courses, including those that develop essential cross-disciplinary skills, which are offered by all partner universities in EU-CONEXUS



# Why to take these courses?

- Access transversal and SmUCS-related courses, in a stimulating and international environment.
- Acquire new skills and competences useful for the PhD research and for the following career.
- Interact with other PhD Students, but also with internationally recognized experts and professors.
- Practice and improve your scientific and professional communication in an international language.
- Apply integrated concepts, data, techniques, tools, perspective from various research fields, related to SmUCS.
- Know the academic PhD programmes in EU-CONEXUS and create a network of PhD students.
- Have a starting point to develop new research partnerships, writing projects together.
- Develop strong digital and technology skills, which are increasingly important in today's job market.
- Increase your chances to be selected for the EU-CONEXUS PhD Summer Schools or the other EU-CONEXUS funded opportunities for PhD Students.
- Be a part of the Co-tutelle PhD Programme within EU-CONEXUS, for which funds are granted.
- Participate in courses from different universities at the same time.

## Certificate

All the PhD students will receive an EU-CONEXUS Certificate testifying the participation in the course. Additionally, some courses can be recognized through the mobility scheme and/or co-tutelle agreement.

## No costs

The participation to the EU-CONEXUS PhD Courses is free of charge for all selected participants.



# Teaching mode

For the academic year 2023 - 2024 all courses will be offered online.

## How to apply?

EU-CONEXUS PhD Courses can be offered by your home university or by any other university within EU-CONEXUS. In order to register for the courses all you need to do is to consult this catalogue, check your availability to attend one or more courses if you want, and register at the latest one month before the initial start of the course.

Link for registration and timetable for each course will be updated here - <https://www.eu-conexus.eu/en/for-students/studies/phd-course/>

Contacts for questions:

University	Name Surname	E-mail address
LRUniv	Marie Bouchegnies	marie.bouchegnies@univ-lr.fr
AUA	Olga Ntantali	ntolga@aua.gr
UCV	UCV Officer	euconexus@ucv.es
KU	Laura Šaltytė - Vaisiausė	laura.saltyte-vaisiauske@ku.lt
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SETU	Sinead O'Halloran	sinead.ohalloran@setu.ie
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FredU	Loutsia Nardi	l.nardi@frederick.ac.cy
ONU	Oksana Zinchenko	ozinchenko@onu.edu.ua



# EU-CONEXUS PhD Open courses

## 2023

Promotion of the Open Courses  
and registrations

November 2023 until May 2024

Presentation of all courses by  
each teacher during the  
EU-CONEXUS PhD Week

11 – 15 December 2023

Deadline for Student Registrations

1 month before the  
beginning of the course

## 2024

Implementation of all the PhD  
Open courses

January 2024 – end of June 2024

Exams and evaluations

Until end of June

Receive the EU-CONEXUS  
Certificates by email  
(only for the graduates)

July 2024



# EU-CONEXUS PhD Week:

11- 15.12.2023.

All PhD students, post-doctoral students and teachers delivering the courses will be invited to attend the EU-CONEXUS PhD Week that will take place every academic year at announced dates and present their course.

Please check the EU-CONEXUS social media to attend these sessions and the dedicated page on the website

<https://www.eu-conexus.eu/en/news-events/?events=up>

## EU-CONEXUS Catalogue of PhD Transversal and SmUCS Courses Academic Year 2023-2024

LRUniv	Innovative Teaching Methods in Higher Education - <a href="#">Ana-Maria Constantin</a>
AUA	Introduction to Bioinformatics and Molecular Modelling using Modern Computational Methods - <a href="#">Dimitrios Vlachakis</a> , <a href="#">Emmanouil Fletmetakis</a> , <a href="#">Ioannis Charalampopoulos</a> , <a href="#">Dimitrios Skliros</a> , <a href="#">Eleni Papakonstantinou</a> .
UCV	Building my Career Project - <a href="#">Julia Leticia Morales García</a>
KU	Team Building and Creativity Development - <a href="#">Ligita Šimanskienė</a>
UNIZD	Data Management - <a href="#">Željka Tomasović</a> / <a href="#">Neven Pintarić</a>
UTCB	Geographic Information Systems - <a href="#">Ana-Cornelia BADEA</a>
SETU	Equality, Diversity & Inclusion for Transformative Research - <a href="#">Susan Flynn</a>
UROS	Introduction to Academic Writing and Presentation Skills - <a href="#">Henrik Bönner</a>
UROS	Modern Lab Documentation with Electronic Lab Notebooks - <a href="#">Sascha Genehr</a> , <a href="#">Max Schröder</a>
FredU	Collection and Analysis of Research Data - <a href="#">Elena Ketteni</a>





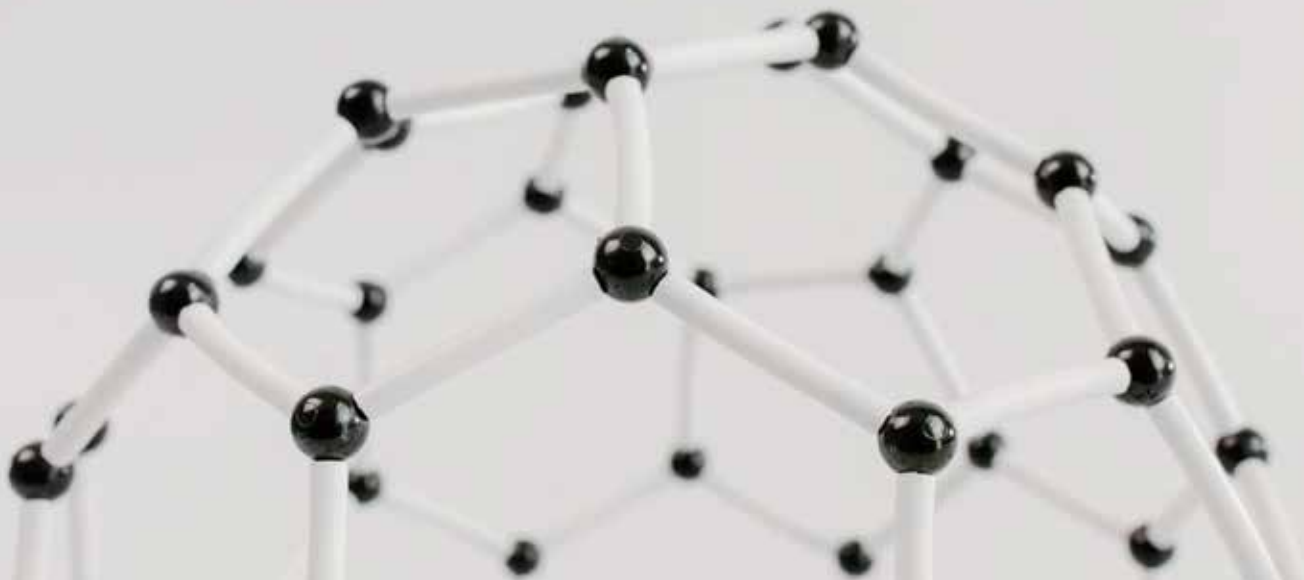
# Course Title:

## Innovative Teaching Methods in Higher Education

University: La Rochelle Universite - LRUniv

Teacher: Ana-Maria Constantin

<b>No of teaching hours:</b> 7,5	<b>ECTS:</b> 1	<b>Language:</b> English
<b>No of individual work hours:</b> 17,5		
<b>Timetable:</b> 5 workshops of 1,5h organised in March - May 2024		<b>Teaching mode:</b> Virtual
<b>Course Description:</b> Based on three levels of training development, the "University Pedagogy" module is part of a 1st level pathway corresponding to the development of basic general and factual knowledge and skills for designing and running courses, using the digital tools made available. <ul style="list-style-type: none"><li>• 5 workshops of 1.5 hours each, designed and run as part of the doctoral school's cross-disciplinary modules.</li><li>• The 5 workshops are interdependent: each provides prerequisites for the other sequences. They are organised around theoretical contributions, linked to practical activities, collaboration and exchanges between participants.</li></ul>		
<b>Learning outcomes:</b> <ul style="list-style-type: none"><li>• Participants will be able to understand university teaching methods, design teaching methods that encourage individual learning,</li><li>• Supervise learning activities, run a course, use learning spaces, assess learning outcomes.</li></ul>		



# Course Title:

Introduction to Bioinformatics and Molecular Modelling  
using Modern Computational Methods

University: Agricultural University of Athens - AUA

Teacher: Dimitrios Vlachakis, Emmanouil Fletmetakis, Ioannis Charalampopoulos,  
Dimitrios Skliros, Eleni Papakonstantinou

No of teaching hours:

10

ECTS:

-

Language:

English

No of individual work hours:

70

Timetable:

March 2024

Teaching mode:

Virtual

## Course Description:

Bioinformatics and molecular modelling are powerful interdisciplinary fields that bridge biology and computer science. They play a pivotal role in deciphering the molecular underpinnings of life processes and are indispensable in modern biological research.

This course is designed to provide participants with a comprehensive overview of key concepts, techniques, and tools used in bioinformatics and molecular modelling, with a focus on modern computational methods.

## Learning outcomes:

- By the end of this course, participants will have a solid foundation in these fields and be equipped to apply computational approaches to biological problems.





# Course Title:

## Building my Career Project

University: Universidad Católica de Valencia - UCV

Teacher: Julia Leticia Morales García

No of teaching hours:  
20

ECTS:  
-

Language:  
English

No of individual work hours:  
40

Timetable:  
1 day per week in June 2024 (4 meetings)

Teaching mode:  
Virtual

### Course Description:

The aim of this course is to guide students in the construction of their professional career project and career pathways. This is a practical course in which students will begin with a self-assessment process of their professional profile. They will then analyse the opportunities currently available to them and will end the course with a decision-making process that includes a medium-term action plan. The course is recommended for the first year PhD students.

### Learning outcomes:

At the end of this course, the doctoral students will learn how to manage their professional careers, with the following learning outcomes:

- They will learn to review their priorities, values, current capabilities, commitments, and career constraints to enhance or revise their career at any time.
- How to explore the range of options and possibilities for a future career.
- They will be able to design their career objectives, plan the steps to achieve them and decide on actions to affect their career plan.



# Course Title:

## Team Building and Creativity Development

University: Klaipėda University - KU

Teacher: Ligita Šimanskiėnė

**No of teaching hours:**

15

**ECTS:**

6

**Language:**

English

**No of individual work hours:**

45

**Timetable:**

February - March, Tuesdays from 11:00h am CET.

**Teaching mode:**

Virtual

### Course Description:

The course of team building and creativity development the course is designed to introduce and develop good teamwork skills using creativity methods.

Students acquire knowledge relating to team concept, interpersonal relations, team creativity, communication, conflict prevention strategies, manager role in formation teams, methods of creativity.

Students are educated in communication, analytical - thinking skills associated with leading in teams, and the principles of problem analysis in their solutions to organisations.

### Learning outcomes:

- Learn about the peculiarities of team leadership,
- Know how to develop team members' mutual knowledge,
- Will be able to prevent conflicts and to improve communication skills,
- Use some creative methods to develop team members' relationships.



# Course Title:

## Data Management

University: University of Zadar - UNIZD  
Teacher: Željka Tomasović / Neven Pintarić.

<b>No of teaching hours:</b> 25	<b>ECTS:</b> 2	<b>Language:</b> English
<b>No of individual work hours:</b> 35		
<b>Timetable:</b> March - May 2024		<b>Teaching mode:</b> Virtual
<b>Course Description:</b> Data management is a broad term that describes activities throughout the life cycle of data from its creation to preservation over a long period of time, as well as data dissemination. As various research and business disciplines have become data-intensive today, there is a need for the establishment of various services that can help researchers or experts in the field, as well as the acquisition of knowledge and skills that will ensure that students manage data efficiently in a digital environment. The goal of the course is to enable efficient acquisition of knowledge, skills and responsibilities related to the collection, aggregation, and long-term preservation of data in digital form.		
<b>Learning outcomes:</b> <ul style="list-style-type: none"><li>• Explain and differentiate basic terminology in the field, interpret, formulate, and present data, design procedures and apply them in data creation.</li><li>• Learn how to prepare and compile documentation for data management, demonstrate data storage, analyse and document the flow of data.</li><li>• Apply data protection procedures and evaluate and select appropriate repositories for long-term data storage and sharing.</li><li>• Develop the ability to present a complete process of creating, storing, publishing, and sharing any kind of data.</li></ul>		



# Course Title:

## Geographic Information Systems

University: Technical University of Civil Engineering Bucharest - UTCB  
Teacher: Ana-Cornelia BADEA

<b>No of teaching hours:</b> 14	<b>ECTS:</b> 2	<b>Language:</b> English
<b>No of individual work hours:</b> 28		
<b>Timetable:</b> March - April 2024		<b>Teaching mode:</b> Virtual
<b>Course Description:</b> <p>This interactive course is especially relevant for students with an academic background who deal with geospatial data (events that take place in a certain location) but who have only a limited knowledge of the principles of GIS and earth observation in their field of application. Skills in the online environment workflow regarding the visualisation and exploitation of geospatial data, linking statistical data to spatial location, using real time data services in GIS and integrated exploitation using various Webapps.</p> <p>During the course, the students will have educational accounts inside ESRI ArcGIS Organization of UTCB - Doctoral School, having the possibility to access environmental geospatial data in the most powerful online GIS environment. There will be opportunities to reinforce the acquired skills in self-study assignments with feedback.</p>		
<b>Learning outcomes:</b> <ul style="list-style-type: none"><li>• Learn how to explore geoportals and open geospatial data for environment; Knowledge of the principles of geospatial modelling;</li><li>• Dissemination of geospatial information in the online environment - applications;</li><li>• Understanding geospatial web applications; Using geospatial web applications;</li><li>• Understanding Geospatial Data Standards and GIS Interoperability</li></ul>		



# Course Title:

## Equality, Diversity & Inclusion for Transformative Research

University: South East Technological University - SETU

Teacher: Susan Flynn

**No of teaching hours:**

18

**ECTS:**

5

**Language:**

English

**No of individual work hours:**

48

**Timetable:**

Friday 2nd Feb, Fri 9th Feb, Friday 23rd Feb.  
Times: From 10-13h and 14-17h CET

**Teaching mode:**

Virtual

### Course Description:

The module aims to build on existing interrogations and definitions within the field of equality studies to promote a critical approach to incorporating greater awareness and sensitivity to equality, diversity and inclusion matters in postgraduate research.

The module aims to equip learners to respond to evolving social, political and research contexts and environments and apply an equality-aware approach to operationalising research proposals thereby reflecting and meeting standards of equality, diversity and inclusion set by national and international research and funding bodies.

The module aims to enable learners to apply an equality-aware and informed approach to the research process and understand and articulate the impact of equality, diversity and inclusion for better outcomes in research

### Learning outcomes:

- Analyse historical and contemporary understandings of equality, diversity and inclusion focusing particularly on gender, race, disability and intersectional inequalities.
- Critically reflect on societal norms and gendered, racial and ableist hierarchies of voice, authority and validity in research
- Position the self and a specific research project within the context of best practice in relation to challenging societal inequalities
- Identify and critique unconscious bias within their own research paradigm and practice.



# Course Title:

## Introduction to Academic Writing and Presentation Skills

University: University of Rostock - UROS

Teacher: Henrik Bönner

<b>No of teaching hours:</b> 6	<b>ECTS:</b> -	<b>Language:</b> English
<b>No of individual work hours:</b> 6		
<b>Timetable:</b> 01.02.2024; 08.02.2024; 15.02.2024 from 1:00 to 3:00 pm CET each day.		<b>Teaching mode:</b> Virtual
<b>Course Description:</b> This course is designed for graduate students who would like an introduction to the specifics of standard research papers and academic presentations. It provides input, guidance, and useful tools and raises awareness of appropriate language, organisational patterns, and revision/correction skills. There will be opportunities to practise the skills taught during the course in self-study assignments with feedback. Course participants need to plan for an extra 6 hours in addition to the online class time to complete those self-study tasks outside class times.		
<b>Learning outcomes:</b> At the end of this course, participants will be able to: <ul style="list-style-type: none"><li>• use an academic writing style which is clear and concise,</li><li>• know what elements contribute to the user-friendliness of their texts and how to use those,</li><li>• structure a standard research paper and also how to structure individual paragraphs,</li><li>• review a text written by their peers,</li><li>• know the most relevant aspects to be mindful of when giving an academic presentation.</li></ul>		



# Course Title:

## Modern Lab Documentation with Electronic Lab Notebooks

University: University of Rostock - UROS

Teacher: Sascha Genehr, Max Schröder

<b>No of teaching hours:</b> 6	<b>ECTS:</b> -	<b>Language:</b> English
<b>No of individual work hours:</b> 6		
<b>Timetable:</b> 23.01.2024; 25.01.2024 from 09:00am to 12:00 pm CET both days.		<b>Teaching mode:</b> Virtual
<b>Course Description:</b> Good research requires structured and detailed documentation in order to be reproducible and sustainable. To ensure this requirement, laboratory notebooks are kept according to guidelines of good scientific practice. To overcome the disadvantages of traditional analog lab notebooks, such as lack of search functions and secure backups, numerous digital alternatives, so-called electronic lab notebooks (ELN), have been developed. This course gives an insight into the world of electronic lab notebooks and introduces the elabFTW system as one example.		
<b>Learning outcomes:</b> <ul style="list-style-type: none"><li>• Participants of the course will receive a general introduction to ELNs and learn the practical use of ELNs.</li><li>• This includes the creation of their own documentation, database entries and best practices.</li></ul>		



# Course Title:

## Collection and Analysis of Research Data

University: Frederick University - FREDU  
Teacher: Elena Ketteni

<b>No of teaching hours:</b> 18	<b>ECTS:</b> 5	<b>Language:</b> English
<b>Timetable:</b> February - March 2024		<b>Teaching mode:</b> Virtual
<b>Course Description:</b> The course purpose is to provide students with the knowledge and tools needed for designing and executing research analysis including developing their research question and objectives, reviewing the literature and choosing and applying an appropriate research design (qualitative and quantitative) in order to obtain and provide results according to the objectives set and write a doctoral dissertation. The course engages students in advanced statistical analysis techniques which are widely used by social researchers worldwide. The same applies to qualitative data analysis.		
<b>Learning outcomes:</b> <ul style="list-style-type: none"><li>• Understand the need for, and methods to search for, extract, and synthesise information in subjects related to smart urban coastal sustainability;</li><li>• Obtain information from a variety of sources and appraise information sources on the basis of quality and reliability</li><li>• Formulate and clarify their research topic and objectives</li><li>• Consider different research strategies based on their research project and objectives</li><li>• Apply data collection through interviews and evaluate the data obtained</li><li>• Collect, enter and analyse quantitative data and interpret results using the IBM SPSS software and or R</li></ul>		