

Course on Innovation for Sustainable and Smart Urban Planning

A FREE course offered in the framework of the project

“Building resilience through education for Sustainable, Collaborative and Smart Cities”

(RESICITIES)



Funded by the
Erasmus+ Programme
of the European Union

8 June to 6 July, 2023 (online lectures + optional Mobility Week in Nice)

Lecturers

This course was developed by a group of assigned lecturers from IPAG Business School, Czech Technical University in Prague, University of Stavanger and from Porto Business School.

Course objectives

- To introduce students to the concept of open urban innovation in the context of resilient, smart, and sustainable cities.
- To familiarize students with innovative tools and strategies for sustainable urban growth management.
- To prepare students to become future urban leaders who can drive transformative changes towards a smart and sustainable environment.
- To explore the role of urban labs and collaborative business models in driving sustainable urban development.
- To equip students with crisis management skills and knowledge for urban contexts.
- To enable students to understand the importance of security in urban planning and its impact on sustainable development.
- To provide students with an understanding of urban planning for climate change and how to design sustainable urban solutions that can mitigate its impact.

To whom the course is recommended

This course is destined for graduate students who are interested in pursuing career in urban planning and sustainable development. This may include professionals in the fields of architecture, urban design, civil engineering, transport engineering, environmental science, public policy, and other related fields. It may also be relevant to students who wish to work in the future in city governance as city officials, planners, and policymakers.

Overview of modules

Module 1 – Introduction to Open urban innovation in the context of resilient, smart and sustainable cities

2 lectures of 1.5h, June 8, 2023 (to be delivered by assigned lecturer of IPAG Business School; specific time to be defined soon)

In this module, students will be introduced to the concept of open urban innovation and how it relates to building resilient, smart, and sustainable cities. They will explore the different tools and strategies that can be used to achieve this, as well as the challenges and opportunities involved in the process.

Module 2 - Security and Urban Planning

2 lectures of 1.5h each, 13 June 2023 (to be delivered by assigned lecturer of the University of Stavanger; specific time to be defined soon)

In this module, students will learn about the role of security in urban planning. They will explore the different security risks that urban areas face and the tools and strategies that can be used to mitigate these risks. They will also learn about the importance of designing cities that are safe and secure for all citizens.

Module 3 – Urban Labs & Collaborative business models

2 lectures of 1.5h each, 15 June 2023 ((to be delivered by assigned lecturer of Porto Business School; specific time to be defined soon)

This module will focus on urban labs and how they can be used as a collaborative tool for innovation in urban planning. Students will learn about different collaborative business models that can be applied in urban contexts and how these models can be used to facilitate the development of sustainable and smart cities.

Module 4 – Crisis management in urban context

2 lectures of 1.5h each, 20 June 2023 (to be delivered by assigned lecturer of IPAG Business School; specific time to be defined soon)

This module will cover the topic of crisis management in an urban context. Students will learn about the different types of crises that can occur in cities, such as natural disasters, and how to prepare for and respond to them. They will explore the different tools and strategies that can be used to mitigate the impact of these crises on the urban environment.

Module 5 - Urban planning for climate change

2 lectures of 1.5h each, 23 June 2023 (to be delivered by assigned lecturer of Czech Technical University in Prague; specific time to be defined soon)

This module will focus on the topic of climate change and how it relates to urban planning. Students will learn about the different impacts of climate change on urban areas and the

strategies that can be used to mitigate these impacts. They will also explore the different tools and technologies that can be used to promote sustainable and smart urban planning practices in the context of climate change.

Learning Outcomes

Module 1:

- Understand the concept of open urban innovation.
- Understand the importance of resilient, smart, and sustainable cities.
- Identify the benefits of open urban innovation in urban planning.

Module 2:

- Understand the concept of Security and Urban Planning.
- Identify the key factors that affect Security and Urban Planning.
- Analyze case studies of Security and Urban Planning.

Module 3:

- Understand the concept of Urban Labs and Collaborative Business Models
- Identify the role of collaborative business models in urban innovation.
- Understand the benefits and limitations of Urban Labs

Module 4:

- Understand the concept of crisis management in urban context.
- Identify the factors that affect crisis management in urban context.
- Analyze case studies of crisis management in urban context.

Module 5:

- Understand the concept of Urban planning for climate change.
- Identify the key factors that affect Urban planning for climate change.
- Analyze case studies of Urban planning for climate change.

Overall, the course aims to equip students with the knowledge and skills necessary to understand the importance of innovation in sustainable and smart urban planning, and how it can be used to address current and future challenges facing cities.

Learning mode – how to access

The educational content will be provided to students of higher education through a blended format like other courses previously created by RESICITIES consortium, i.e. online sessions followed by an optional but recommended Mobility Week component at the end of the course programme.

The Mobility Week will be held in the premises of IPAG Business School in Nice, France from 3 July to 7 July, 2023. It will involve seminars, student activities in groups with case studies and technical visits.

Instructions on how to access the online sessions and assignments will be provided to students by e-mail after the confirmation of their registration.

Students of partner universities of RESICITIES consortium who will be interested in taking part in the Mobility Week are eligible to apply for financial support from the project for their travel costs and accommodation in Nice. We will offer the students affordable alternatives of accommodation in Nice.

Certificate of conclusion and ECTS credits

The graduate students who will accomplish the course successfully with the component of the Mobility Week will be awarded with a certificate issued by the RESICITIES consortium with a specification of study hours that will entitle them to claim for 5 ECTS at their home institution. The graduate students who will accomplish the online sessions but will not take part in the Mobility Week will be awarded with a digital certificate that will entitle them to claim for 3 ECTS at their home institution.

Therefore, the course will be composed by 3 ECTS for the online programme + 2 ECTS for the Mobility Week.

How to apply

Students interested in applying to this course can access the application form in the link below and submit online. The students can use the same application form to apply for this course and also to any other course that was already created by RESICITIES consortium and is available online. This course is independent from other courses of RESICITIES consortium and the previous accomplishment of other courses of RESICITIES consortium is not a prerequisite to apply and attend this course.

<https://www.resicities.eu/registration.htm>

Direct link to the application form [here](#).