Fundamentals of Urban Mobility

Participant´s Handbook

Online Course

EIT Urban Mobility - Mobility for more liveable urban spaces

EIT Urban Mobility

2025

Contents

Course Aim

Urban mobility shapes how cities function, grow, and support the people who live in them. Designed for students, professionals, and curious minds alike, this course equips you with the tools to:

1. Recognise how different transport modes and city types influence mobility dynamics.
2. Identify key goals and innovative, integrated solutions that support traffic limitation and emerging mobility technologies.
3. Outline policy actions that support leaders in promoting sustainable modes of urban mobility.

The course is designed to **build knowledge (Level 1 – Know)**. It facilitates the knowledge acquisition on a certain topic. The course ILOs express skills on the lower level of the Bloom's Taxonomy: Remember and Understand.

Challenge areas covered:

- Multimodality: Modal shift and transition management (individual-transport to shared/non-motorized transport/public transport), MaaS (mobility as a service), service integration and inter-modality, park and ride, multimodal/mobility hubs etc.
- Creating the public realm: Quality of public space, urban design, environment, tactical urbanism, place making, dynamic and flexible curb side management, user experience, living street, low emission zones, superblocks etc
- Mobility for all: Vulnerable groups, equal mobility, people with reduced mobility, social inclusion, accessibility, affordability, user-centric mobility, diversity, women in mobility, etc.
- Pollution reduction and health: Active mobility, new technologies for pollution management, noise reduction, safety, environmental impacts, greening of cities/green spaces etc.

By the end, you'll be able to critically reflect on urban transport systems and identify policy actions that promote healthier, more efficient urban mobility for all.

Course Structure and Content

Course syllabus

Over five concise modules, you'll explore key policy questions and emerging trends:

Module 1: Mobility and urban space

Why urban mobility matters: Understand how mobility influences almost every aspect of city life. Explore the stark differences between transport modes, particularly in how much urban space they require.

Module 2: What should urban mobility really try to achieve?

Defining the right goals: What should urban mobility really aim to achieve? Learn why it's critical to move beyond reactive policymaking and instead develop thoughtful, long-term goals that serve broader public interests.

Module 3: Boosting the alternatives to private cars

Promoting sustainable transport options: Discover how cities can support space-efficient, low-impact modes such as public transport, walking, cycling, micromobility, and shared mobility services like car- and bike-sharing.

Module 4: Discouraging driving

Managing private car use: Enhancing alternatives isn't enough—successful urban mobility also requires strategies to limit car dependency. This module examines the policies used by leading cities to keep private vehicle use in check.

Module 5: Vision based knowledge

Rethinking urban mobility planning: Explore the limitations of traditional mobility planning and the growing shift towards integrated, vision-based approaches—such as Europe's Sustainable Urban Mobility Plans (SUMPs).
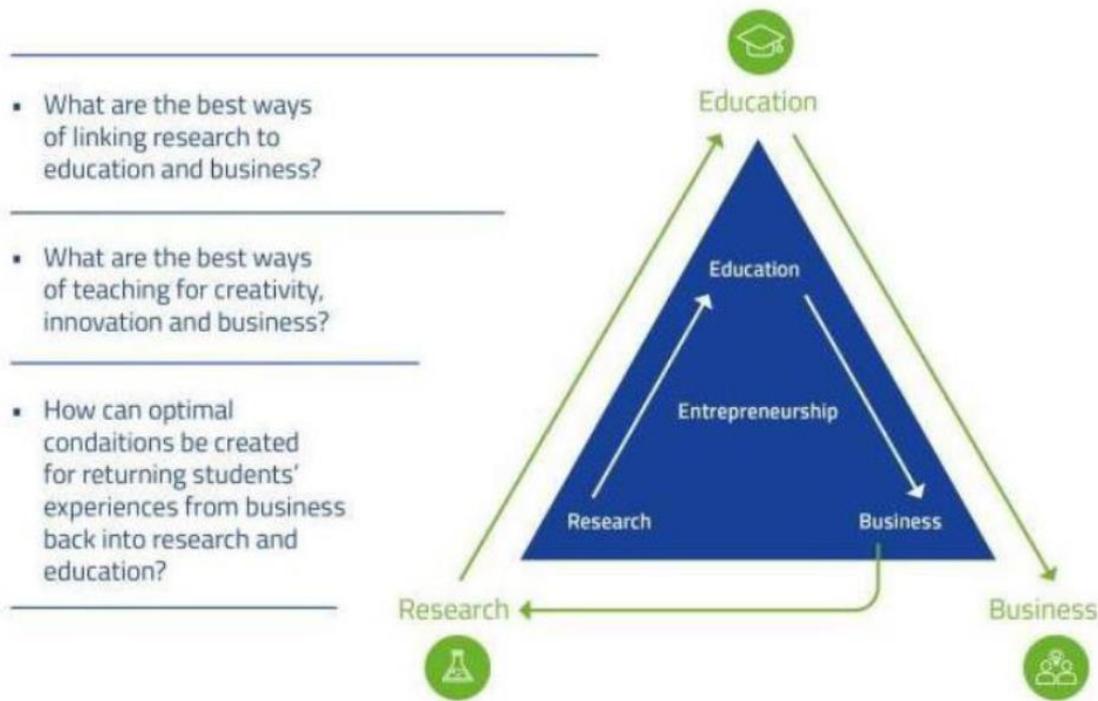
Prerequisites:

This course is open to everyone and requires no prior experience or background in urban mobility.

Course Learning Outcomes

This course is designed to equip participants with essential knowledge and skills in urban mobility, aligned with the European Institute of Innovation and Technology (EIT)'s mission to foster the integration of education, research, and business.

Throughout the course, participants will work toward achieving specific Intended Learning Outcomes (ILOs), each of which contributes to broader Overarching Learning Outcomes (OLOs). The OLOs reflect high-level competencies related to innovation, entrepreneurship, sustainability, and leadership, which are central to the EIT's educational approach.

Below are the course-specific learning outcomes and their links to the corresponding overarching competencies:

Intended Learning Outcome (ILO)	Related Overarching Learning Outcome (OLO)	Description
ILO 1: Recognise how different transport modes and city types influence mobility dynamics.	Making value judgments and sustainability competencies	Participants will gain an understanding of how mobility is shaped by urban form and transport options, allowing them to critically assess sustainable transport strategies in diverse contexts.
ILO 2: Identify key goals and innovative, integrated	Innovation and technology skills and competencies	Participants will explore forward-thinking

solutions that support traffic limitation and emerging mobility technologies.		approaches and tools that enable smarter, cleaner, and more efficient mobility systems in urban environments.
ILO 3: Outline policy actions that that support leaders in promoting sustainable modes of urban mobility, such as public transport and cycling.	Leadership skills and competencies	Participants will examine how policies and governance frameworks can support sustainable mobility transitions, developing the ability to advise or lead such initiatives.

Schedule/Timeline:

The course is designed to be completed over approximately **3 days**, with a **total estimated workload of 4 hours**. This recommended schedule offers guidance for time planning, but participants are free to adapt it according to their availability and learning preferences.

Delivery Method and Format:

This is a fully **online, self-paced asynchronous course** that participants can follow at their own rhythm, allowing flexibility to engage with the content whenever it suits them best.

The course blends **knowledge acquisition** with **interactive practice**, creating an engaging and well-rounded learning experience:

- **Knowledge   Acquisition:**
  Participants explore the content asynchronously through a rich mix of **short videos, informative texts, and visual materials**. This multimedia approach caters to different learning styles and helps make complex ideas accessible, engaging, and easy to grasp.

- **Practice   and   Interaction:**
  To reinforce understanding and promote active learning, the course features **interactive elements** such as **flip cards, simple games, and "Test Yourself" questions**. These activities encourage knowledge recall, support critical

reflection, and help learners apply what they've learned in a dynamic and immersive way.

This thoughtful combination of content and interaction ensures a stimulating learning journey that supports both independent exploration and meaningful engagement with the course material.

Assessment and Feedback

The course includes both **formative** and **summative assessments**, designed to support learning and measure progress effectively.

- **Formative   Assessment:**
  Throughout the course, participants will encounter **short quizzes with automatic written feedback**, either during or at the end of each module. These assessments are designed to provide **ongoing feedback**, helping learners identify their strengths and areas for improvement as they progress. The aim is to support continuous learning by encouraging reflection and reinforcing key concepts in real time.

- **Final   Knowledge   Check   (Summative   Assessment):**
  At the end of the course, participants will complete a **final quiz consisting of 10 questions**, also with automatic written feedback. This **summative assessment** evaluates how well the learning objectives have been achieved and offers a final opportunity to consolidate knowledge. While it plays a key role in measuring overall understanding, it remains learner-friendly and focused on reinforcing key takeaways.

Together, these assessments enhance the learning experience by combining immediate feedback with a final evaluation of progress.

Grading Criteria in Overview

To successfully complete the course, participants must pass the **Final Knowledge Check** by correctly answering at least **60%** of the questions. This final quiz is designed to assess understanding of the core course content, which includes key concepts on mobility dynamics, innovative transport solutions, and policy actions for sustainable urban   mobility.
Achieving the minimum passing score will **unlock the Certificate of Completion**. The quiz can be taken at any time after completing all course modules, offering full flexibility in line with the self-paced nature of the course.

Feedback Mechanisms:

Participants will receive **instant automatic written feedback** upon submission of the Final Knowledge Check. This feedback highlights correct and incorrect answers, helping learners reflect on their performance and deepen their understanding. For the short formative quizzes found throughout the modules, feedback is also given immediately, supporting learning as participants progress through the course.

Assessment Policies:

There is **no limit to the number of attempts** for the Final Knowledge Check. Participants who do not achieve a passing score on their first try are encouraged to review the relevant course materials and retake the quiz.

As this is a **self-paced course with no fixed deadlines**, there are no penalties for late submissions. However, it is recommended to complete the Final Knowledge Check soon after finishing the modules to keep the information fresh.

In case of technical difficulties, participants should refer to the course **FAQ section** for troubleshooting guidance.

As the quiz is auto-graded and unlimited retakes are allowed, **grade appeals are not applicable**. Participants are encouraged to use the feedback to improve and try again if needed.

Resources and Materials

Required Materials:

All learning materials are provided within the platform.

Participants will need access to a device with an internet connection. The course is fully online and can be accessed using a **desktop computer, laptop, tablet, or mobile phone**. The platform is designed to be **mobile-responsive**, ensuring a smooth learning experience even on smaller screens.

For the best experience, we recommend using an up-to-date web browser (e.g., Chrome, Firefox, Safari) and a stable internet connection.

Access to Learning Platform:

This course is hosted on the **Urban Mobility Courses** platform, accessible at www.urbanmobilitycourses.eu. To enrol in the course, participants must:

1. **Create a free account** on the platform.

2. **Log in** and search for the course title.

3. Click **"Enroll"** to gain access to the course content.

Once enrolled, participants can navigate the course using the vertical menu on the left-hand side of the screen, which provides access to all modules, activities, and the Final Knowledge Check.

For detailed instructions or troubleshooting, please visit the **FAQ section** at Support | Urban Mobility Courses.

Support and Contact Information

Technical Support:

For detailed instructions or troubleshooting, please visit the **FAQ section** at Support | Urban Mobility Courses.

Accessibility and Accommodations:

We are committed to providing an inclusive and accessible learning experience for all participants.

Please refer to the **Accessibility Statement - Urban Mobility Courses** for detailed information on available support and how to request accommodations.

If further assistance is needed, participants are encouraged to contact the support team through the contact form provided in the Support | Urban Mobility Courses.

Instructors contact details

This course is a **fully asynchronous, self-paced online course**, designed for independent learning. As such, **direct support from the course instructor or facilitators is not provided**.

All necessary guidance is included within the course content, and participants are encouraged to make use of the interactive elements and automatic feedback provided throughout the modules.

For general questions or technical support, please refer to the **FAQ** section or use the contact form available on the Support | Urban Mobility Courses page.

Participant Expectations

Attendance Requirements:

As this is a **self-paced, asynchronous online course**, there are **no formal attendance requirements**. Participants are free to access the content at any time and progress at their own rhythm. However, to gain the most from the course and to be eligible for the Certificate of Completion, participants are expected to **complete all modules and successfully pass the Final Knowledge Check**.

Expected engagement, preparation, and conduct

Participants are encouraged to engage actively with the course materials, including watching videos, reading texts, and completing interactive activities and quizzes. To get the most value from the course, learners should:

- Take time to reflect on the concepts presented.

- Use the embedded quizzes and "Test Yourself" features to check their understanding.

- Review sections if they find certain topics challenging.

As with all learning environments, participants are expected to engage respectfully and responsibly, especially when using any **support features** or communication channels provided through the platform.

Evaluation and Feedback Mechanisms

Course Evaluation:

At the end of the course, participants will be invited to complete a **feedback survey**. This short survey is designed to collect insights on the course content, format, and overall learning experience.

Participant feedback is **analyzed through the Urban Mobility Courses (UMC) data analysis system** and plays a key role in the continuous improvement of the course. The results help the course team identify what works well and where enhancements can be made for future iterations.

Your input is highly valued and contributes directly to improving the quality and relevance of our online courses.

Accreditation and Certification

Accreditation Information:

The EIT Label is a quality mark in education and training awarded by the European Institute of Innovation and Technology (EIT). It is a formal recognition awarded to educational programmes that meet specific standards of quality. The EIT Label guarantees that programmes are designed and implemented according to high-quality standards and key principles set by EIT, through an external and independent review process.

EIT UM developed the Quality Assurance Framework for Non-Degree Education and Training to guide and support the involved stakeholders in developing non-degree programmes according to EIT high-quality standards.

Certification Details:

Upon successful completion of the course and achieving a **minimum score of 60% on the Final Knowledge Check**, participants are eligible to receive a **Certificate of Completion**.

Instructions on how to request and download the certificate is provided during the enrolment process.

Useful Additions:

Supplementary Resources:

Blog | Urban Mobility Courses | Tools to Move Europe Forward Explore our blog dedicated to exploring the latest trends in urban mobility. We delve into cutting-edge developments, innovative solutions, and key insights shaping the dynamic landscape of urban transportation.

Online Webinars | Urban Mobility Courses Explore MX´s webinar library! Whether you are a student, professional, or an urban enthusiast, this webinar library serves as a valuable resource to deepen your understanding and broaden your knowledge base.

FAQs Section:

For general questions or technical support, please refer to the **FAQ** section or use the contact form available on the Support | Urban Mobility Courses page.