

## Urban Mobility and Logistics (B001439)

**Course size** *(nominal values; actual values may depend on programme)*

**Credits 3.0**

**Study time 90 h**

**Course offerings and teaching methods in academic year 2024-2025**

A (semester 1)

English

Gent

lecture

**Lecturers in academic year 2024-2025**

Circella, Giovanni

WE12

lecturer-in-charge

Witlox, Frank

WE12

co-lecturer

**Offered in the following programmes in 2024-2025**

[International Master of Science in Sustainable and Innovative Natural Resource Management](#)

**crdts**

3

**offering**

A

[Master of Science in Maritime Science](#)

3

A

**Teaching languages**

English

**Keywords**

Transport and mobility, transport system, accessibility, transport and land use, congestion, urban freight distribution, transport policy, co-modality, sustainable transport

**Position of the course**

This course both acts as an introductory to transport and mobility, as is an advanced course on particular topics that focus on the interrelationship between transport and logistics.

**Contents**

The course deals with selected topics that have a relevance to understand better understand mobility and logistics issues. The following topics are introduced/discussed:

- smart cities
- change of travel behaviour
- travel behaviour and lifestyle
- mobility, health and well-being
- urban logistics
- road pricing
- mobility as a service (MaaS)
- new forms of mobility (micro-mobility)
- transport-oriented development (TOD)
- port-city relations
- autonomous driving, 3R (shared mobility, electrification and connected vehicles)
- modal choice
- transport poverty and equality
- COVID19 and transport/mobility

**Initial competences**

Knowing the principles of social and economic geography, and economics

**Final competences**

- 1 Being able to defend propositions and argue about the specific topics of urban mobility and logistics
- 2 Understanding topical matters of urban mobility and logistics
- 3 Critically reading, interpreting and evaluating texts about urban mobility and logistics
- 4 Being familiar with the core principles of urban mobility and logistics and being able to apply

these in concrete cases

### **Conditions for credit contract**

This course unit cannot be taken via a credit contract

### **Conditions for exam contract**

This course unit cannot be taken via an exam contract

### **Teaching methods**

Lecture

### **Extra information on the teaching methods**

Theoretical exposé on various topics, discussion and seminar

### **Study material**

Type: Slides

Name: Slides from the lectures

Indicative price: Free or paid by faculty

Optional: no

Language : English

Available on Ufora : Yes

Online Available : Yes

Available in the Library : No

Available through Student Association : No

### **References**

References are included in the syllabus

### **Course content-related study coaching**

Students can contact the lecturer and assistant(s) for additional explanations

### **Assessment moments**

end-of-term assessment

### **Examination methods in case of periodic assessment during the first examination period**

Oral assessment, Written assessment with open-ended questions

### **Examination methods in case of periodic assessment during the second examination period**

Oral assessment, Written assessment with open-ended questions

### **Examination methods in case of permanent assessment**

### **Possibilities of retake in case of permanent assessment**

not applicable

### **Extra information on the examination methods**

Period-linked: examination with written preparation in which the focus is not so much on detailed knowledge, but on substantive insights and connections.

In addition, a group work is made, usually around the theme 'mobility week'. The group work accounts for 50% of the final total.

For students who take the subject at 3 SP, the same study material content applies (only there is a differentiation with regard to the oral examination concerning the theory).

### **Calculation of the examination mark**

50% theory (oral examination with written preparation). For 5 SP, one has to answer four questions; for 3 SP, only two questions.

50% practice (for 5 or 3 SP the same conditions apply).

In order to succeed, the student has to take part and receive a sufficient grade in all parts of the examination.