

## 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 2023-2024**

A (semester 1)      English      Gent      lecture

**Lecturers in academic year 2023-2024**

Witlox, Frank      WE12      lecturer-in-charge  
Circella, Giovanni      WE12      co-lecturer

**Offered in the following programmes in 2023-2024**

	crdts	offering
<a href="#">International Master of Science in Sustainable and Innovative Natural Resource Management</a>	3	A
<a href="#">Master of Science in Maritime Science</a>	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

#### **Learning materials and price**

Syllabus and slides on Minerva (free of charge).

#### **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 both questions; for 3 SP, only one of the questions.

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