

Urban Mobility and Logistics (B001439)

Due to Covid 19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

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

Credits 3.0 **Study time** 90 h **Contact hrs** 30.0 h

Course offerings and teaching methods in academic year 2021-2022

A (semester 1) English Gent lecture 30.0 h

Lecturers in academic year 2021-2022

Witlox, Frank WE12 lecturer-in-charge

Offered in the following programmes in 2021-2022

| | crdts | offering |
|---|-------|----------|
| International Master of Science in Sustainable and Innovative Natural Resource Management | 3 | 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
- city logistics
- urban road pricing
- Mobility as a Service (MaaS)
- Transport Oriented Development (TOD)
- port-city relationships
- autonomous driving
- travel behaviour and lifestyle
- modal choice
- transport poverty
- COVID19 and transport

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

Evaluation methods

end-of-term evaluation

Examination methods in case of periodic evaluation during the first examination period

Written examination with open questions, oral examination

Examination methods in case of periodic evaluation during the second examination period

Written examination with open questions, oral examination

Examination methods in case of permanent evaluation**Possibilities of retake in case of permanent evaluation**

examination during the second examination period is possible

Extra information on the examination methods

Periodical: examination with written preparation. Details are not that important, overall insight prevails

Calculation of the examination mark

100% oral exam