GHENT UNIVERSITY

Course Specifications

Valid as from the academic year 2024-2025

Urban Mobility and Logistics (B001439)

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

Credits 3.0 **Study time 90 h**

Course offerings in academic year 2027-2028

A (semester 1) English Gent

Lecturers in academic year 2027-2028

Circella, Giovanni WE12 lecturer-in-charge

Offered in the following programmes in 2027-2028	**crdts**	**offering**
International Master of Science in Sustainable and Innovative Natural Resource Management	3	A
Master of Science in Conflict and Development Studies	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
-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.