Course Specifications
Valid as from the academic year 2019-2020

Urban Mobility and Logistics (C003534)

Lecturers in academic year 2019-2020
Witlox, Frank
WE12 lecturer-in-charge

Course offerings and teaching methods in academic year 2019-2020

A (semester 1)
- English
- lecture: 20.0 h
- seminar: coached exercises: 40.0 h

B (semester 1)
- lecture: 30.0 h

Offered in the following programmes in 2019-2020

- Master of Science in Teaching in Science and Technology (main subject Geography) 5 A
- Master of Science in Geography 5 A
- Master of Science in Urbanism and Spatial Planning 5 A
- Exchange programme in Geography (master's level) 5 A
- Exchange Programme Urbanism and Spatial Planning 5 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 urban 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

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. Critically reading, interpreting and evaluating texts about urban mobility and logistics

(Course size: nominal values; actual values may depend on programme)
Credits 5.0
Study time 150 h
Contact hrs 60.0 h

Course size: (nominal values; actual values may depend on programme)
Credits 5.0
Study time 150 h
Contact hrs 60.0 h
The student should be able to frame the current events concerning the mobility debate.

Conditions for credit contract
- Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract
- This course unit cannot be taken via an exam contract

Teaching methods
- Lecture, seminar: coached exercises

Extra information on the teaching methods
- Theoretical exposé on various topics, discussion.

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
- not applicable

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

(Approved)