

Transport Economics and Policy (B001514)

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 2026-2027

A (semester 1)

English

Gent

lecture

Lecturers in academic year 2026-2027

Witlox, Frank

WE12

lecturer-in-charge

Offered in the following programmes in 2026-2027

crdts

offering

Master of Science in Operations Research Engineering(main subject Manufacturing and Supply Chain Engineering)

3

A

Master of Science in Operations Research Engineering(main subject Transport and Mobility Engineering)

3

A

International Master of Science in Sustainable and Innovative Natural Resource Management

3

A

Master of Science in Geography and Geomatics

3

A

Master of Science in Operations Research Engineering

3

A

Master of Science in Maritime Science

3

A

Teaching languages

English

Keywords

Transport economics, transport policy

Position of the course

The course aims to help students in developing conceptual insights in transport economics and transport policy.

Contents

The following topics will be discussed:

1. Movement, transport & location
2. The demand for transport
3. Modelling the demand for transport
4. The direct costs of transport
5. The indirect costs of transport
6. Pricing of transport services
7. The nature of markets and public intervention
8. From economics to transport policy

Initial competences

Having a basic knowledge of economics

Final competences

- 1 Having insight in transport economics and transport policy
- 2 Being able to discuss and analyse topics that have a relation to transport, movement, location issues
- 3 Having developed a preference for analysis and calculation, rather than intuition
- 4 Being familiar with standard analyses, understanding their scientific foundation and practical applicability
- 5 Being capable of applying core transport economics and policy skills in order to understand the following issues: - Demand for transport
- Direct cost of transport

- External costs and pricing issues
- Pricing of transport services
- The nature of transport markets
- Economics of transport logistics
- Transport policy

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

Standard teaching with discussion and interaction (oral explanations, case studies)

Study material

None

References

Quinet, E., Vickerman, R. (2004) *Principles of Transport Economics*. Cheltenham: Edward Elgar.
 Rodrigue, J.-P., Notteboom, T., Shaw, J. (2013) *The SAGE Handbook of Transport Studies*. Los Angeles: Sage.
 Blauwens, G., De Baere, P., Van de Voorde, E. (2020) *Transport Economics*. Antwerpen: Van In.
 Button, K. (2010). *Transport economics* (5th ed.). Edward Elgar Publishing.

Course content-related study coaching

All information on the courses and the examination is shared via the online study platform

Students can contact the lecturer for additional information, explanation

Assessment moments

end-of-term assessment

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

Oral assessment

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

Oral assessment

Examination methods in case of permanent assessment

Possibilities of retake in case of permanent assessment

not applicable

Extra information on the examination methods

Oral exam with written preparation, general questions (open book)

Calculation of the examination mark

100% oral exam