

## Transport Economics (F000627)

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

**Credits 6.0**

**Study time 180 h**

**Course offerings and teaching methods in academic year 2024-2025**

A (semester 2)

Dutch

Gent

lecture

**Lecturers in academic year 2024-2025**

Maes, Jochen

EB21

lecturer-in-charge

**Offered in the following programmes in 2024-2025**

[Bachelor of Science in Business Administration](#)

6

A

[Bachelor of Science in Business Economics](#)

6

A

[Bachelor of Science in Economics](#)

6

A

[Master of Science in Industrial Engineering and Operations Research\(main subject Manufacturing and Supply Chain Engineering\)](#)

6

A

[Master of Science in Industrial Engineering and Operations Research\(main subject Transport and Mobility Engineering\)](#)

6

A

[Master of Science in Complementary Studies in Economics](#)

6

A

[Master of Science in Economics](#)

6

A

[Master of Science in Economics \(Double Degree\)](#)

6

A

[Master of Science in Industrial Engineering and Operations Research](#)

6

A

[Elective Set Economics](#)

6

A

**Teaching languages**

Dutch

**Keywords**

Mobility, (sustainable) mobility, transport, logistics, economic applications

**Position of the course**

The course 'Transport Economics' aims to educate students in understanding the economic tools applicable to mobility (passenger transport) and transport (goods transport) as submarkets of the overall economy. The course provides students with a substantive theoretical foundation, for example, transportation costs and external costs. The series provides an overview of the subject matter and sometimes delves deeper, while also inspiring students with new developments. Throughout the course, students are introduced to various submarkets such as maritime transport, inland waterway transport, rail transport, public transport, and air transport. They become familiar with the issues that can arise at both a general level (climate problems, emissions, accidents, and traffic congestion) and within each submarket. Additionally, they learn approaches and potential solutions to these problems, ranging from pricing, infrastructure policies, and influencing the choice of transportation modes through diverse political strategies. Upon completing the course, students possess the ability to think critically and analyse various aspects of transport economics within a theoretical framework, drawing on examples from European and Belgian practices. They are also capable of presenting compelling arguments and offering nuanced discussions of problems and solutions

**Contents**

We distinguish different themes:

- Overview of the European transport sector (the traffic and transport system; the

economic significance of the transport sector; the organization of transport in Belgium; the regulations in the transport sector, per market segment if appropriate).

- Demand and supply analysis (the demand for transport and the transport supply in different submarkets, equilibrium formation and market structure)
- Government steering in transport and mobility, transport policy (transport policy as part of general policy; charging of external costs; charging techniques and related measures; pricing policy; infrastructure policy)
- Specific applications (port economics; maritime economics; aviation economics; logistics; rail transport, public transport).
- Insight into innovations and trends in the transport economy.

#### **Initial competences**

A basic course on economics.

#### **Final competences**

- 1 To be able to apply standard economic tools to the transport sector in all its aspects; costing, cost-benefit, private and external costs
- 2 To be able to comprehensively explain the most important trends and developments in various sub-markets of the transport sector, identify problems and propose solutions
- 3 Nuanced argumentation about the broad transport and mobility policy in Belgium, and putting forward solutions and linking themes across various markets
- 4 Being able to independently analyse, describe and link a short case study with the series of lessons or a theory from it

#### **Conditions for credit contract**

Access to this course unit via a credit contract is unrestricted: the student takes into consideration the conditions mentioned in 'Starting Competences'

#### **Conditions for exam contract**

Access to this course unit via an exam contract is unrestricted

#### **Teaching methods**

Lecture

#### **Extra information on the teaching methods**

Lecture (active participation is recommended to better understand examples and ask in-depth questions)

Only in exceptional cases is the lecture organised online via live streaming.

Sometimes there is a guest lecture by an expert or fellow Professor.

#### **Study material**

Type: Handbook

Name: Blauwens, G., De Baere, P. and E. Van de Voorde, 2020, Transport Economics (seventh edition), De Boeck Publishers, Antwerp. (Via publisher Van Inn)

Indicative price: € 69

Optional: no

Language : English

Oldest Usable Edition : Blauwens, G., De Baere, P. and E. Van de Voorde, 2016, Transport Economics (sixth edition), De Boeck Publishers, Antwerp.

Type: Slides

Name: Extensive Ppt slides, are an explicit part of the course material

Indicative price: Free or paid by faculty

Optional: no

Available on Ufora : Yes

#### **References**

Will be announced at the beginning of the course.

Blauwens, G., De Baere, P. and E. Van de Voorde, 2020, Transport Economics (seventh edition), De Boeck Publishers, Antwerp. (Via publisher Van Inn)

Or

Blauwens, G., De Baere, P. and E. Van de Voorde, 2016, Transport Economics (sixth edition), De Boeck Publishers, Antwerp. Former version also is approved.  
Extensive Ppt slides will be shared via Ufora, and are an explicit part of the course material

**Course content-related study coaching**

by appointment

**Assessment moments**

end-of-term assessment

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

Oral assessment, Assignment

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

Oral assessment, Assignment

**Examination methods in case of permanent assessment**

**Possibilities of retake in case of permanent assessment**

not applicable

**Extra information on the examination methods**

Oral examination. 30 minutes for 2 questions + case study. With written preparation.

10 page paper on 1 current theme in the transport economy, free choice of subject.

This paper will be the basis of a two-way conversation during the oral exam.

**Calculation of the examination mark**

End-of-term evaluation (100%)