

Supply Chain Management (B001512)

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

Credits 5.0 **Study time 150 h**

Course offerings in academic year 2026-2027

A (semester 2) English Gent

Lecturers in academic year 2026-2027

Buldeo Rai, Heleen VUB lecturer-in-charge

Offered in the following programmes in 2026-2027

[Master of Science in Maritime Science](#) **crdts** **offering**
5 A

Teaching languages

English

Keywords

Supply chain management, strategy, manufacturing, transport, sustainability

Position of the course

In this course the different aspects of a supply chain are introduced. Every lecture will focus on another part of the supply chain.

Contents

The covered topics are: supply chain strategy, demand forecasting, inventory management, sales and operations planning, sourcing and procurement, network design, manufacturing and process improvement, warehousing, sustainable transport and urban distribution. The lectures consist of a theoretical introduction to one of these concepts, followed by a guest speaker illustrating how this concept is applied in practice. Furthermore, exercise sessions (some in a game format) and interactive workshops will be organised.

Initial competences

No specific initial competences are required.

Final competences

- 1 Ability to understand the different parts of the supply chain and explain how they interact with each other
- 2 Define all fundamental concepts of supply chain management
- 3 Ability to make strategical, tactical and operational decisions in the domain of supply chain management
- 4 Solve realistic problems related to the topics covered during this course
- 5 Having insights in the practical implementation of the theory and in how a supply chain works in real life
- 6 Being able to identify the relevant actions to deal with a real-life problem in a supply chain
- 7 Having insight in how particular concepts are influencing the sustainability of the supply chain

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

Seminar, Lecture

Extra information on the teaching methods

Each of the lectures consists out of the theoretical introduction of the Supply Chain Management concepts, followed by a guest lecture illustrating how the concepts are being used in practice. This enables the students to make a link between the theory and real-life cases.

The exercise sessions will consist out of traditional exercises based on the theoretical concepts on the one hand and practical applications in game format and interactive workshops on the other hand. By means of these interactive workshops, the students will actively participate and the need for teamwork will be emphasized.

Study material

None

References

Specialist literature and manuals

Course content-related study coaching

Students can contact the assistant(s) for additional explanations

Assessment moments

end-of-term assessment

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

Written assessment

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

Written assessment

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

not applicable

Extra information on the examination methods

Written closed-book exam which covers the content discussed during the lectures, workshops, exercise sessions and guest lectures. The exam may consist of multiple choice questions, open questions and exercises. Marks on multiple choice questions will be corrected for guessing.

Calculation of the examination mark

100% written exam (25% Multiple-choice questions)