



Supply Chain Management Styrning av försörjningskedjor

7.5 credits

Ladok Code: A190TG

Version: 9.3

Established by: Committee for Education in Technology 2026-02-23

Valid from: Autumn 2026

Education Cycle: First cycle

Main Field of Study (Progressive Specialisation): The course does not have a main area (GXX)

Disciplinary Domain: Technology

Prerequisites: Meets the admission requirements for a Bachelor of Science in Engineering (or equivalent). At least 2.5 credits passed in Logistics Tools and Methods, 7.5 credits (or equivalent).

Subject Area: Industrial Engineering and Management

Grading Scale: U, 3, 4 or 5

Content

The course provides in-depth knowledge of logistics and supply chain management, as well as suitable methods, techniques and tools for implementing changes that improve logistics efficiency and enhance competitiveness in a supply chain. The course content focuses on understanding how logistics and supply chains function, and how different theories and methods can have different effects on supply chains. Fundamental theories and terms covered in the course include logistics strategies, the effects of globalisation, just-in-time, risk management, what enterprise resource planning systems are and how they work, flexibility, collaboration within supply chains, negotiation, purchasing, partnerships and transport. In addition to these theories and terms, the course includes a case study in SCM in which a report is to be written to explore one of the principal theories covered in the course and its applications in greater depth.

Learning Outcomes

On completion of the course, the student shall be able to:

Knowledge and Understanding

- 1.1 identify and explain key concepts in logistics and supply chain management,
- 1.2 describe strategic logistics measures, for example through segmentation and differentiation,
- 1.3 explain the significance of lead times and bottlenecks,
- 1.4 explain the significance of collaboration and integration in supply chains,
- 1.5 explain why different approaches to logistics are applied in practice,
- 1.6 describe how value chains and transport chains are affected by globalisation,
- 1.7 explain different purchasing models and strategies,
- 1.8 explain the procedure for supplier selection,
- 1.9 describe purchasing activities from a total cost perspective,
- 1.10 identify suitable scholarly articles for project work.

Competence and Skills

- 2.1 apply methods relating to time, quality and costs to improve logistics efficiency and enhance supply chain competitiveness,
- 2.2 explain and take into account the implications of increasing internationalisation for logistics,
- 2.3 apply lean and just-in-time thinking in a supply chain,
- 2.4 explain when total flexibility (agility) is appropriate and be able to explain the differences and possible combinations and differences between lean and agility,
- 2.5 explain the role of purchasing in supply chains,
- 2.6 write an analytical report within the framework of the theories covered in the course,
- 2.7 conduct searches for articles in relevant databases,
- 2.8 present their own work in a clear and structured manner,

2.9 explain what enterprise resource planning (ERP) systems are and how they affect supply chains.

Judgement and Approach

3.1. explain and take into account how customer requirements and customer value affect a company's logistics systems and processes,

3.2. analyse a logistics or purchasing arrangement and propose improvements based on the analysis.

Forms of Teaching

Teaching in the course consists of:

- Lectures
- Guest lectures
- Discussion lectures

The language of instruction is Swedish. However, instruction in English may occur.

Forms of Examination

The course will be examined through the following examination elements:

Exam

Learning outcomes:

Credits: 7.5

Grading scale: U, 3, 4 or 5

If the student has received a decision/recommendation regarding special pedagogical support from the University of Borås due to disability or special needs, the examiner has the right to make accommodations when it comes to examination. The examiner must, based on the objectives of the course syllabus, determine whether the examination can be adapted in accordance with the decision/recommendation.

Student rights and obligations at examination are in accordance with guidelines and rules for the University of Borås.

Literature and Other Teaching Materials

The course literature is in English.

Harrison, Alan, Hoek, Remko I. van & Skipworth, Heather (Latest edition). Logistics management and strategy: competing through the supply chain. Harlow, England: Pearson

Scholarly articles

Lecture materials available through the University of Borås learning platform.

Student Influence and Evaluation

Miscellaneous