



Course syllabus

Faculty of Technology

Department of Informatics

1IK510 Supply Chain Management, 7,5 högskolepoäng

1IK510 Supply Chain Management, 7.5 credits

Main field of study

Informatics

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

First Level

Progression

G1N

Date of Ratification

Approved 2023-01-23

Revised 2023-11-28 by Faculty of Technology. Literature list is revised.

The course syllabus is valid from autumn semester 2024

Prerequisites

General entry requirements for university studies.

Objectives

Upon completion of the course, the student should be able to:

- identify and analyze information need and information flow in a supply chain, as well as how information is coordinated with product and service flows
- identify the key actors in a supply chain
- explain how changes in environment can induce changes in a supply chain
- explain how value creation can increase in a supply chain
- explain information management and information coordination within and between information systems, based on supply chains and globally integrated organisations
- execute process modelling and cost analysis in a supply chain
- create a plan for supplier relationship management
- reflect on the role of information logistics in relation to development of supply chains and value chains.

Content

The course comprises:

- organisation and design of a supply chain: information flow, product and service flows as well as cash flow
- process and quality control in supply chains
- cost analysis
- effective supply chains and how they can create competitive advantages
- information supplies in global supply chains and virtual organisations
- technology for identification, transport and storage of information that is needed in supply chains and value chains

Type of Instruction

The teaching consists of lectures, group work and seminars. Participation in group work and seminars is compulsory.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

The examination of the course is divided as following:

- Exam, 4 credits, Fail (U), Pass (G) or Pass with Distinction (VG)
- Company assignment, 3,5 credits, Fail (U), Pass (G) or Pass with Distinction (VG)

Repeat examination is offered in accordance with Local regulations for courses and examination at the first and second-cycle level at Linnaeus University. If the university has decided that a student is entitled to special pedagogical support due to a disability, the examiner has the right to give a customised exam or to have the student conduct the exam in an alternative way.

Course Evaluation

During the implementation of the course or in close conjunction with the course, a course evaluation is to be carried out. Results and analysis of the course evaluation are to be promptly presented as feedback to the students who have completed the course. Students who participate during the next course instance receive feedback at the start of the course. The course evaluation is to be carried out anonymously.

Credit Overlap

The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: 1IL510, 7.5 credits

Required Reading and Additional Study Material

Required reading

Mattsson, StigArne (2012). *Logistik i försörjningskedjor*. Studentlitteratur. 389 p.

Reference literature

Hillard, Robert (2010). *Information-Driven Business: How to Manage Data and Information for Maximum Advantage*. John Wiley&Sons. 216 p.

Beynon-Davies, Paul (2009). *Business Information Systems*. Palgrave MacMillan. 482 p.