



Course syllabus

School of Business and Economics

Department of Management

2FE084 Fördjupningskurs I i logistik, 30 högskolepoäng

Specified Course I in Business Logistics, 30 credits

Main field of study

Business Administration

Subject

Business Administration

Level

First cycle

Progression

G2F

Date of Ratification

Approved 2016-03-23.

Revised 2024-02-12. Revision of module 3 scored examination components and update of standard texts.

The course syllabus is valid from autumn semester 2024.

Prerequisites

Business Administration, level G1N/F, 60 credits, or the equivalent. English 6, or the equivalent.

Objectives

Module 1: Distribution Management, 6 credits

After completing this module the student should be able to:

- account for distribution activities, distribution structures and explain different actors roles within the distribution channel
- explain IT as an enabler in the distribution channel

- explain sustainability aspects related to the supply chains
- apply transportation and logistics law with a focus on Incoterms
- apply safety stock dimensioning, delivery service calculation and advanced inventory management

Module 2: Production Management, 6 credits

After completing this module the student should be able to:

- explain the key production management decisions on tactical and operational level and the influence these have on the logistics system and in society at large
- search for, select and use the appropriate data to make these types of production management decisions

Module 3: Logistics Quality and Process Management, 6 credits

After completing this module the student should be able to:

- account for basic concepts in quality and quality management
- apply quality tools and models for customer satisfaction in a logistics perspective
- explain the impact of process orientation and process management for the development of logistics systems
- conduct process mapping and quality measuring in a limited area, identify and analyze quality deficiencies and critically discuss improvement suggestions

Module 4: Sustainable Purchasing and Negotiations, 6 credits

After completing this module the student should be able to:

- discuss and contextualize knowledge of purchasing, materials supply and sustainability
- apply models for purchasing
- perform quantitative purchasing analyses
- perform business negotiations

Module 5: Project within Business Logistics, 6 credits

After completing this module the student should be able to:

- formulate and critically discuss questions for a limited reality-based logistics problem
- plan and conduct a logistics project in a real company/a real organisation
- search and select applicable theory and apply logistics knowledge on a real problem
- critically discuss empirical data in relation to the selected theory
- report in written form and present and discuss findings in different contexts (in seminars and at the company)

Content

Module 1: Distribution Management, 6 credits

The module contains:

- distribution activities, distribution structure; definitions, inventory structures, physical flows, ordering systems and delivery service
- actors roles and IT solutions within the distribution channel
- basic transportation and logistics law, the use of Incoterms
- sustainability aspects of the supply chains
- quantitative models; for flow analyses in the distribution channel and safety

stock dimensioning of distribution stocks

Module 2: Production Management, 6 credits

The module contains:

- forecasting methods; qualitative and quantitative
- material planning and production control; techniques and methods for planning and control of material flows in different planning horizons and production environments; methods with particular focus are master production scheduling, order planning, capacity planning and operation planning
- methods for lot sizing with limited capacity, variable demand, periodic/continuous inspection
- manufacturing process types and the related generic production layouts

Module 3: Logistics Quality and Process Management, 6 credits

The module contains:

- quality management - central concepts, approaches to continuous improvement, quality measurements and quality tools
- quality systems - the ISO9000/ISO9000:2000 series, quality management principles
- customer satisfaction - importance, measurement methods
- process management - central concepts
- development of processes - process mapping, process design, control and improvement

Module 4: Sustainable Purchasing and Negotiation, 6 credits

The module contains:

- sustainability, corporate social responsibility and ethics in a purchasing/procurement context
- the roles and objectives of purchasing, its strategic importance
- purchasing strategies, principles and models
- the purchasing process
- public procurement
- quantitative purchasing analysis
- supplier evaluation and supplier development
- negotiations
- the organisation of purchasing

Module 5: Project within Business Logistics, 6 credits

The module contains:

- project work at a company, approximately 1-2 days a week during one semester
- project work out of a perceived company- identified problem
- problem discussion, limitation and practical planning
- literature search and review
- data collection and analysis
- written presentation and in seminars
- report writing
- reporting in the company and at a final seminar

Type of Instruction

Module 1: Distribution Management, 6 credits

The teaching consists of lectures and exercises seminars.

Module 2: Production Management, 6 credits

The teaching consist of lectures, exercises, cases, laboratory work and field visits.

Module 3: Logistics Quality and Process Management, 6 credits

Teaching consists of lectures, group assignment, tutorial meetings and seminars.

Module 4: Sustainable Purchasing and Negotiation, 6 credits

The teaching consists of lectures, tutoring and negotiation exercises (including preparation, negotiation and analysis). The negotiation seminar is a compulsory learning element. The compulsory learning element cannot be replaced by another assignment and, if not completed has to be re-done when the course is given the next time. The course requires access to a computer with Internet connection and a webcam.

Module 5: Project within Business Logistics, 6 credits

Teaching consists of tutoring and seminars.

Examination

The course is assessed with the grades A, B, C, D, E or F.

Module 1: Distribution Systems, 6 credits

The module is examined through an individual written examination 4.5 credits, an individual written computer laboration 0.5 credits and a written group case 1 credit.

Module 2: Production Management, 6 credits

The module is examined through an individual written examination 5.5 credits and a written group assignment 0.5 credits.

Module 3: Logistics Quality and Process Management, 6 credits

The module is examined through an individual written examination 3 credits, paper in group with written and oral presentation 2.5 credits and an individual written assignment and seminar 0.5 credits.

Module 4: Sustainable Purchasing and Negotiation, 6 credits

The module is examined through a written individual examination 3 credits, a literature-discussion seminar (individual, 0,5 credits), and a group-based computer lab with associated written project report 2.5 credits.

Module 5: Project within Business Logistics, 6 credits

The module is examined through follow-ups that are oral presented during seminars and a written assignment 6 credits.

The following applies to all modules:

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail.

The grade of the course is a combined assessment from the grades of the various course modules. The combined assessment is based on the grades and the scope of the course (30 credits). The more extensive a module is, the greater impact it will have on the final grade. Module grades with the grading scale between G-U will not be considered into the combined assessment. However, a G is required for each of the modules in order to receive a final course grade.

Resit examination is offered in accordance with Linnaeus University's Local regulations for courses and examination at the first- and second-cycle levels.

In the event that a student with a disability is entitled to special study support, the examiner will decide on adapted or alternative examination arrangements.

Course Evaluation

A course evaluation should be conducted during the course or in connection with its conclusion. The results and analysis of the completed course evaluation should be promptly communicated to students who have completed the course. Students participating in the next course instance should be informed of the results of the previous course evaluation and any improvements that have been made, no later than at the start of the course.

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:

2FE035 and 2FE070 with 30 credits each.

Module 1: 2FE055 and 2FE210 with 6 credits each.

Module 2: 2FE011, 2FE049:2, 2FE078:2 and 2FE211 with 6 credits each.

Module 3: 2FE012 and 2FE212 with 6 credits each.

Module 4: 2FE049:4, 2FE056, 2FE078:4, 2FE213 and 2FE216 with 6 credits each.

Module 5: 2FE014 and 2FE214 with 6 credits each.

Required Reading and Additional Study Material

Module 1: Distribution Management, 6 credits

Björklund, M. *Hållbara logistiksystem*. Studentlitteratur. Latest edition. About 150 pages.

Fredholm, P. *Logistik & IT - För effektivare varuflöden*. Lund: Studentlitteratur. Latest edition. About 250 pages.

Jonsson, P. & Mattsson S-A. *Logistik*. Lund: Studentlitteratur. Latest edition. About 100 pages.

Nahmias, S. *Production and Operations Analysis*. McGraw-Hill. Latest edition. About 100 pages.

Scientific articles. About 100 pages.

Module 2: Production Management, 6 credits

Nahmias, S. & Lennon Olsen, T. *Production and Operations Analysis*. Waveland Pr Inc. Latest edition. About 800 pages.

Module 3: Logistics Quality and Process Management, 6 credits

Bergman B. & Klefsjö, B. *Quality from customer needs to customer satisfaction*. Studentlitteratur. SLatest edition. About 600 pages.

Ljungberg, A. & Klefsjö, B. *Dare! Win! Business process orientation for everyone*. Studentlitteratur. Latest edition. About 160 pages.

Scientific articles. About 100 pages.

Module 4: Sustainable Purchasing and Negotiation, 6 credits

Monczka, R.M., Handfield, R.B., Giunpero, L.C., Patterson, J.L. & Waters, D.

Purchasing and Supply Chain Management. Cengage Learning EMEA. Latest edition.

About 530 pages.

Scientific articles as advised by the course coordinator. About 200 pages.

Module 5: Project within Business Logistics, 6 credits

Literature is selected together with the tutor.