



Course syllabus

Faculty Board of Science and Engineering

School of Engineering

1TS022 Logistik, 7,5 högskolepoäng

1TS022 Business Logistics, 7.5 credits

Main field of study

Forest and Wood Engineering

Subject Group

Forest Science

Level of classification

First Level

Progression

G1F

Date of Ratification

Approved by Organisational Committee 2009-07-24

The course syllabus is valid from spring semester 2010

Prerequisites

Basic eligibility as well as Industrial Economics 7,5 hp.

Objectives

Knowledge of the logistics approach

Knowledge of: distribution and delivery service, production logistics, material and production control, as well as purchasing and material supply.

Applied knowledge of total cost analysis and basic inventory control

After completing the course the student is expected to be familiar with and able to apply logistic concepts in companies.

The student is also expected to be able to identify logistic problems and suggest solutions.

Content

- The logistics approach: definitions, concepts, history, strategy and organization
- Distribution and delivery service: delivery service elements, differentiation, distribution channels, SCM
- Material and production control: the planning environment and material planning methods

- Purchasing and material supply: the importance and different roles of purchasing and strategic purchasing
- Logistic effectivization: uncertainty reduction, lead times and capital, delay etc.
- Quantitative logistics models: total cost analysis and inventory control
- Practical applications

Type of Instruction

The teaching includes two parts: lectures and a group project

Examination

The course is assessed with the grades U, 3, 4 or 5.

The course is examined through an individual written examination and through group case studies.

Course Evaluation

When the course has finished, an evaluation is compiled. The results are reported to the students and then archived according to the rules of the school.

Required Reading and Additional Study Material

Required reading

Jonsson, P och Mattson, S-A Logistik - läran om effektiva materialflöden.
Studentlitteratur. 548 p.

Christopher, M Logistics and Supply Chain Management, Latest edition. 298 p.

Calculation compendium