



AG124V Retail Planning I 7.5 credits

Handelsplanering I

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for AG124V valid from Autumn 2007

Grading scale

P, F

Education cycle

First cycle

Main field of study

Specific prerequisites

Completed upper secondary schooling including documented proficiency in English, if not your mother tongue or language of instruction.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

The overall aim of this course is to develop your skills of systems thinking in environmental issues, related to your own area of expertise. This course will give you a basic analyst's competence in Life Cycle Assessment (LCA). After completing the course, you should be able to:

- Explain the overall purpose and principles of LCA
- Discuss possible applications and limitations of LCA
- Describe the content and explain the purpose of the analytical steps of LCA
- Carry out a complete LCA of a chosen product or service system, including: identify and delimit system; specify and handle allocation problems; identify and use relevant data from LCA databases; collect and use data from other sources; choose characterisation (and valuation) method based on coverage and relevance to the intended application; implement and use a computer model of the system in the LCA software SimaPro; analyse, explain and interpret model results.
- Write a report of the performed LCA, applying to the reporting guidelines and terminology as defined in the ISO standard for LCA
- Make a critical review of another LCA.

Course contents

The course includes lectures and a group project. Lectures will cover the following areas:

- LCA in relation to other environmental systems analysis tools.
- Methodology for different phases of an LCA (goal definition and scoping, inventory analysis, impact assessment and interpretation.
- Methodology for simplified LCA.
- LCA software tools and databases.
- Critical review of an LCA study.
- Application areas of LCA and limitations.

Groups of 2-4 students will perform projects in which an LCA is performed with the software SimaPro. Projects are presented in a report and at a seminar. Each group will also make a critical review of the LCA of another group.

Disposition

Lectures daytime. The course is given in English. One major project performed in groups.

Course literature

Baumann, H. and Tillman, A.-M. (2004): The Hitch-Hiker's Guide to LCA. Studentlitteratur.

Examination

- FÄL1 - Project, 3.0 credits, grading scale: P, F
- ÖVN1 - Exercise, 1.5 credits, grading scale: P, F
- TEN1 - Examination, 3.0 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Project presented in a written report and at a final seminar. Critical review of another group's project report presented at final seminar.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.