

Logistics Project

Programme course

6 credits

Projekt inom logistik

TNSL03

Valid from: 2017 Spring semester

Determined by
Board of Studies for Industrial
Engineering and Logistics

Date determined
2017-01-25

Main field of study

Logistics

Course level

First cycle

Advancement level

G1X

Course offered for

- Air Transportation and Logistics, Bachelor's Programme
- Civic Logistics, Bachelor's Programme

Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

Intended learning outcomes

The aim of the course is to introduce the subject of logistics to the students, as well as being an introduction to studies at Campus Norrköping. It is also an aim to introduce structured project work to the students. After the course, the students shall:

- understand the role of logistics in the society and in companies.
- know the three dimensions of sustainability.
- have an understanding for the relationships between logistics and sustainability, and the importance of logistics to achieve sustainability.
- know and understand basic concepts in logistics.
- know how to work according to the project model LIPS.
- know how to make a project plan according to a given demand specification.
- know how to, if needed, update the demand specification.
- know how to make a time plan for the project and register time used.
- plan, lead, and follow up project meetings, including writing agenda and meeting minutes.
- know which roles that may exist in a project group, and their respective tasks.
- be able to describe the different stages of a group and different types of learning styles.
- know how to make an oral presentation of the work of the group.
- know how to present the results of the project in a written report.
- know how to support the results presented in the report with scientific references to methodology as well as to the studied topic.
- be familiar with search strategies to explore reference literature within a specific problem area.
- know how to evaluate the result of the project.

Course content

The course includes an overview of the contents of the program. The subject of logistics, in a broad sense, will be presented at lectures. Lecturers from business and society will highlight different planning and logistics problems that are relevant for students in the field of logistics. Together with an introduction to the program as well as to logistics, it will serve an introduction to the area of logistics. The dimensions economical, ecological and social sustainability are introduced, and are discussed in relations to logistics.

The course includes a smaller project work that is carried out under supervision. In the project the students will evaluate a real problem, or a problem inspired from reality, dealing with logistics or planning problems. The project work will be structured using the project model LIPS. There will be a focus on giving the students a structured workflow, based on the project model. To support the students in their project work, there are a number of lectures relating to communication, including information gathering, scientific writing, group dynamics, written and oral presentation. There will be a project conference towards the end of the project, where each group presents their results for the other groups.

Teaching and working methods

Lectures, individual hand-ins and project work. There will be a mandatory project conference towards the end of the course.

The course runs over the entire autumn semester.

Examination

PRA1 Project work and participation in project conference 4.5 credits U, G

UPG5 Individual hand-in assignments 1.5 credits U, G

The individual hand-in assignments are related to project administration, sustainability and guest lectures etc.

Grades are given as 'Fail' or 'Pass'.

Grades

Two-grade scale, U, G

Other information

Supplementary courses:

The course will connect to a number of courses that will follow in the program, in particular in project and logistics oriented courses in the second and third year.

Department

Institutionen för teknik och naturvetenskap

Director of Studies or equivalent

Erik Bergfeldt

Examiner

Stefan Engevall

Education components

Preliminary scheduled hours: 75 h

Recommended self-study hours: 85 h

Course literature

Additional literature

Books

Merkel, Magnus, Önnegren, Britta, Andersson, Ulrika, (2011) *Lathund för rapportskrivning. [Elektronisk resurs]*

Linköping, Linköpings universitet, 2011

Svensson, Tomas, Krysander, Christian, (2011) *Projektmodellen LIPS*

ISBN: 9789144075259

Lund : Studentlitteratur, 2011

Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva.