Logistics Project - continuation course

Programme course

6 credits

Projekt inom logistik, fortsättningskurs

TNSL19

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
G2X

Course offered for
- Air Transportation and Logistics
- Civic Logistics

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.

Prerequisites
Basic knowledge of project work according to a project model (e.g., LIPS), basic logsitics courses (e.g., Introduction to Logistics and Cost-Benefit Analysis), some basic modelling course (e.g., optimization or discrete simulation)

Intended learning outcomes

The course gives a deeper experience of project based work, applied to the logistics field. This involves applying existing and acquiring new knowledge in various fields, depending on specific project. After the course the student should be able to

- within the project area, acquire deep knowledge in some area of logistics
- formulate a demand specification from a project directive and update the demand specification according to the evolvement of the project
- find and acquire specific knowledge depending on the specific project contents
- in the report, relate the work to scientific literature and knowledge in the area
- in the report, describe the scientific method chosen for the project
- do a project according to a project model
- plan a project by documenting the plan in a project- & time plan and also follow up and modify the project- & time plans
- present the project result in a written report and an oral presentation
- reflect over the work performed, and suggest improvements
- make an opposition of another groups work

A further goal for the course is to develop the ability to solve larger problems/assignments and to give capabilities to suggest and communicate solutions to problems related to logistics, and contribute to a well-functioning project group. The projects are carried out realistically, in order to practice for thesis work & the professional career. This means that the project assignments come directly from, or are inspired by real problems. The students are encouraged to find or imagine projects by themselves.

Course content

The common parts of the course are

- Lectures on the LIPS-model
- How to write a demand specification
- Project- and time plan according to LIPS level 2
- How to make an opposition
- How to find and build a theoretical framework based on scientific literature
- How to describe the chosen scientific methodology
- How to discuss aspects as sustainability, ethics and social benefit in relation to the chosen method

The remaining parts of the course depend on the specific project

Teaching and working methods

The course has a few initial lectures describing project methodology and related documents, based on the LIPS-model, and final scheduled seminars for presenting the results. Inbetween work is carried out outside of the schedule, with offered supervision. An opposition of another groups work must also be done in the course
The course runs over the entire autumn semester. Students are encouraged to find their own Projects.

Examination

UPG2	Opposition	0.5 credits	U, G
PRA1	Project work	5.5 credits	U, G

Grades are given as ’Fail’ or ’Pass’.

Grades

Two-grade scale, U, G

Other information

Supplementary courses:
Case in logistics, Methodology course before thesis work, Bachelor thesis

Department

Institutionen för teknik och naturvetenskap

Director of Studies or equivalent

Erik Bergfeldt

Examiner

Stefan Engevall

Education components

Preliminary scheduled hours: 44 h
Recommended self-study hours: 116 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://styrdokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva.