

Logistics Project

Programme course

12 credits

Logistikprojekt

TETS38

Valid from: 2017 Spring semester

Determined by
Board of Studies for Industrial
Engineering and Logistics

Date determined
2017-01-25

Main field of study

Industrial Engineering and Management

Course level

Second cycle

Advancement level

A1X

Course offered for

- Industrial Engineering and Management - International, M Sc in Engineering
- Industrial Engineering and Management, M Sc in Engineering
- Mechanical Engineering, M Sc in Engineering

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 Logistics, and at least one of the following courses: Supply Chain Logistics or Logistics Analysis

Intended learning outcomes

The aim of the course is to give knowledge and capabilities, and develop the students' approach to application of logistics. This is done by letting the students in project form solve different kinds of logistic problems, given by different kinds of companies.

After having completed the course the student shall be able to:

1. Identify, choose and apply relevant theoretical areas for a situation specific logistical problem.
2. Apply proper investigation methodologies for logistics investigations.
3. Choose and apply investigation tools in a real situation.
4. Communicate the results from different phases of the project in speech and writing.
5. Critically review and evaluate his/her own work, as well as other students'.

Course content

- Logistical investigation methodology, i.e. to break down and specify a problem, and to analyse and make conclusions in a thorough manner.
- Systems approach, as it is applied on logistical systems.
- Deep studies within those parts of logistics which are relevant for the specific project.
- Academic writing, oral presentation and opposition.
- Application of a critical approach.

Teaching and working methods

A number of lectures and seminars give basics in methods for investigation and analysis, suitable to apply in the field of logistics. The students are divided into smaller project groups. Each group will work with a major project, based on a real situation in a company. Each project is given a tutor from the department. Some project groups together form a so called base group, which at a number of seminars will discuss methodological questions, as well as present and review each others work in order to practice a critical and constructive review of investigations and academic reports within the logistics field.

The course runs over the entire autumn semester.

Examination

UPG1	Individual assignments	3 credits	U, G
PRA1	Group assignment	9 credits	U, 3, 4, 5

The course grade will be based upon the results from the different parts of the examination.

The project work will be judged by the main criterion trustworthiness, clarity, and level/scope.

Grades

Four-grade scale, LiU, U, 3, 4, 5

Other information

Supplementary courses:

Logistics Strategies

Department

Institutionen för ekonomisk och industriell utveckling

Director of Studies or equivalent

Björn Oskarsson

Examiner

Håkan Aronsson

Course website and other links

<http://www.iei.liu.se/logistik/>

Education components

Preliminary scheduled hours: 50 h

Recommended self-study hours: 270 h

Course literature

Additional literature

Books

Björklund, Maria, Paulsson, Ulf, (2012) *Seminarieboken : att skriva, presentera och opponera*

ISBN: 9789144059853

Lund : Studentlitteratur, 2012

Patel, Runa, Davidson, Bo, (2011) *Forskningsmetodikens grunder : att planera, genomföra och rapportera en undersökning*

ISBN: 9789144068688

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.