

## SMMP26, Logistics and Supply Chains, 7.5 credits

*Logistik och leveranskedjor, 7,5 högskolepoäng*

Second Cycle / Avancerad nivå

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### Details of approval

The syllabus was approved by the board of the Department of Service Management and Service Studies on 2013-12-17 to be valid from 2014-01-01, spring semester 2014.

### General Information

The course may not be included in a main field of study. The course is included in the Master Programme in Service Management and is given the second semester.

*Language of instruction:* English

*Main field of studies*

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*Depth of study relative to the degree requirements*

A1F, Second cycle, has second-cycle course/s as entry requirements

### Learning outcomes

On completion of the course, the student shall

- demonstrate an specialised knowledge of the practical and theoretical framework of logistics,
- demonstrate a very good familiarity with central concepts within logistic and supply chain,
- demonstrate skills to analyse and identify the different subcomponents of the logistic system based on system theory,
- demonstrate good skills to use methods and models to describe and analyse the dynamics of the supply chain,
- demonstrate good skills both in speech and writing to communicate and present the knowledge fields of the course,
- demonstrate an ability to identify and formulate, independently, logistic/economic issues and to plan and carry out qualified assignments within predetermined time frames and with right methods.

## Course content

Initially, the course provides a specialisation in the most important theoretical fields regarding the logistic function and its role in companies and organisations. The different channels of supply chains and transport modes are described from a theoretical platform. Important national and international goods flows and transport corridors are described with connection to transport system, transport modes and its relation to Swedish and international transport politics.

The course creates an understanding of the geographical and economical preconditions that create flows between production and locations of consumption, from raw material extraction via controlled processing and consumption to final deposition. The environmental aspects of logistics and the influence of the design of the supply chains are treated.

From both a micro perspective as well as from a macro perspective important properties regarding transport and handling is described based on network theory. The course provides a technical and theoretical orientation of how the logistic system, equipment and transport should be integrated to create sustainable and flexible transport systems to meet the different requirement of the future. Models and modelling are used to study the dynamic function and productivity of the logistic system.

The student is trained, from a logistic context, to be able to discuss and present different theoretical perspectives and models.

## Course design

The teaching consist of lectures, guest lectures, seminars, workshops and study visit.

Attendance at guest lectures, study visit and seminars are compulsory unless there are special grounds. An alternative form or date for compulsory components is offered to students who are not able to complete a compulsory component owing to circumstances beyond control e.g accident, sudden illness or similar. This also applies to students who have missed teaching because of activities as a student representative.

## Assessment

The course is examined through written and oral presentations and a project work.

Three opportunities for examination are offered in conjunction with the course: a first examination and two re-examinations. Within a year of the end of the course, two further re-examinations on the same course content are offered. After this, further re-examination opportunities are offered but in accordance with the current course syllabus.

*Subcourses that are part of this course can be found in an appendix at the end of this document.*

## Grades

Marking scale: Fail, E, D, C, B, A.

The grades awarded are A, B, C, D, E or Fail. The highest grade is A and the lowest passing grade is E. The grade for a non-passing result is Fail. The student's performance is assessed with reference to the learning outcomes of the course.

The student's performance is assessed with reference to the learning outcomes of the course. For the grade of E, the student must show acceptable results. For the grade of D, the student must show satisfactory results. For a grade of C, the student must show good results. For the grade of B, the student must show very good results. For the grade of A, the student must show excellent results. For a grade of Fail, the student must have shown unacceptable results.

At the start of the course, students are informed about the learning outcomes stated in the syllabus and about the grading scale and how it is applied in the course.

## Entry requirements

For admission to the course, the student should have accomplished course requirements about 30 credits within the Master Programme in Service Management (SASMA).

## Subcourses in SMMP26, Logistics and Supply Chains

Applies from V14

1301 Paper, 7,5 hp  
Grading scale: Fail, E, D, C, B, A