

SMMY36, Transport Systems Management, 7.5 credits

Ledning av transportsystem, 7,5 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by the board of the Department of Service Studies on 2025-03-05 (STYR 2025/633). The syllabus comes into effect 2025-03-05 and is valid from the autumn semester 2025.

General information

The course is compulsory and included in the Master's (120 credits) programme in Service Management (SASMA). It is the fourth specialised course in the supply chain management specialisation and held in the third semester.

Language of instruction: English

Main field of study

Specialisation

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

Learning outcomes

For a grade of Pass on the course, the student shall be able to

Knowledge and understanding

- explain and describe the organisation and structure of transport systems and their component, and
- identify, analyse, solve and communicate complex problems in industry and society through the design, planning and management of transport and logistics systems.

Competence and skills

- use theoretical and practical methods and models for the analysis and evaluation of transport systems,
- be able to apply theories and methods to evaluate and develop transport systems from a supply chain perspective, and
- analyse and develop processes and understand the challenges and consequences in the development of transport systems

Judgement and approach

- demonstrate a critical approach to theories and arguments in the research field of transport system management and
- demonstrate critical thinking and reasoning skills regarding the complexity of transport systems and their implications for different types of organisations.

Course content

The aim of the course is to enable students to develop knowledge and understanding of core components, actors and processes in transport systems with a focus on processes in the supply chain in both national and international contexts. During the course, the students work with theories, practical applications and common methods to analyse and manage transport and logistics systems.

Course design

The teaching consists of lectures and seminars.

Participation in seminars is mandatory. Absence will be compensated with replacement activities later during the course or closely connected to the course.

Assessment

The assessment is based on:

- Project work in groups (3 credits), module code 2501
- Individual written exam (4.5 credits), module code 2502

The course includes opportunities for assessment at a first examination, a re-sit close to the first examination and a second re-sit for courses completed in the past year (catch-up exam). At least two further re-examinations on the same course content are offered within a year of a major change to, or discontinuation of, the course.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Grades

Grading scale includes the grades: U=Fail, E=Sufficient, D=Satisfactory, C=Good, B=Very Good, A=Excellent

The grade for a result that is not approved is Fail. The student's performance is assessed on the basis of the learning outcomes for the course. For the grade of E, the student has demonstrated acceptable results. For the grade of D, the student has demonstrated satisfactory results. For the grade of C, the student has demonstrated good results. For the grade of B, the student has demonstrated very good results. For the grade of A, the student has demonstrated excellent results. For the grade of Fail, the student has demonstrated unacceptable results.

The grade for the entire course is determined by the following formula:

Number of grade points for module code 2501 \times 0.4 + number of grade points for module code 2502 \times 0.6.

A equals grade point 5, B equals grade point 4, C equals grade point 3, D equals grade point 2 and E equals grade point 1. The total weighted grade forms the basis for the course grade. Up to .49 the total number of points is rounded down and above .50 it is rounded up.

For the grade of Pass, the student must have passed (at least grade E) on module code 2501 and 2502.

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 on the course.

Entry requirements

To be admitted to the course, the student must have completed at least 60 credits within the Master's of Science programme in Service Management, 30 credits of which must be from courses during programme semester 1 and 15 credits must consist of the course in methods.

Further information

The course may not be included in a qualification together with SMMV36 Intermodality and Traceability in Transport Systems (15 credits) or SMMX36 Transport Systems Management (7,5 credits).