



Faculty of Social Sciences

SMMX36, 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 Management and Service Studies on 2021-02-17 and was last revised by the board of the Department of Service Studies on 2024-02-16. The revised syllabus comes into effect 2024-03-15 and is valid from the autumn semester 2024.

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

- demonstrate specialised knowledge of the organisation and structure of transport systems and their components, 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.

Unless there are valid reasons to the contrary, compulsory participation is required in seminars. Students who have been unable to participate through no fault of their own due to circumstances such as an accident or sudden illness will be offered the opportunity to compensate for or re-take compulsory components. This also applies to students who have been absent because of elected office duties, e.g. as a student representative.

Assessment

The assessment is based on:

Project Work in Groups (3 credits), module code 2401

Individual Written Exam (4.5 credits), module code 2402

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 2401 x 0.4 + number of grade points for module code 2402 x 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 on module code 2401 and 2402 (at least grade E).

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

For entry to the course, the student must, prior to semester 3 of the programme, have completed at least 45 credits in the Master's (120 credits) programme in Service Management of which 7.5 credits should consist of the introductory course to the programme and 7.5 credits of the student's specialisation-specific introductory course.

Further information

The course may not be included in a qualification together with SMMV36 Intermodality and Traceability in Transport Systems (15 credits) or SMMR34 Transport Systems: Intermodality and Traceability (15 credits).