



**LUND**  
UNIVERSITY

Faculty of Social Sciences

## **SMMX36, Transport Systems Management, 7.5 credits**

*Ledning av transportsystem, 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 2021-02-17 to be valid from 2021-08-30, autumn semester 2021.

### **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 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**

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
- apply theories and methods to evaluate and develop transport systems from a supply chain perspective 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 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 ability regarding the complexity of transport systems and the consequences for different types of organisation.

### **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, workshops, supervision, seminars and study visits.

Unless there are valid reasons to the contrary, compulsory participation is required in seminars and workshops. 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

Active (individual) participation in seminars and workshops (2 credits).

Project work in groups. The work is presented as a written report with a presentation at the final seminar (2.5 credits).

Individual written exam (3 credits).

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.

*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 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.

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.

All assessment components are assigned points between 0 and 100 and grades according to the following scale:

A: 91-100 points

B: 81-90 points

C: 71-80 points

D: 61-70 points

E: 51-60 points

Fail: 0-50 points

The grade for the whole course is decided through the following formula:  $0.25 \times$  number of points for module code 2101 (seminars and workshops) +  $0.35 \times$  number of points for module code 2102 (project work) +  $0.40 \times$  number of points for module code 2103 (individual written exam), using the same grading scale as above.

For the grade of Pass, the student must have passed on all three components (at least grade E).

## **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).

## Subcourses in SMMX36, Transport Systems Management

Applies from H21

- 2101 Seminars and workshops, 2,0 hp  
Grading scale: Fail, E, D, C, B, A
- 2102 Project work, 2,5 hp  
Grading scale: Fail, E, D, C, B, A
- 2103 Individual written exam, 3,0 hp  
Grading scale: Fail, E, D, C, B, A