



LUND
UNIVERSITY

Faculty of Social Sciences

SMMV25, Sustainable Logistics, 7.5 credits

Hållbara logistiksystem, 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 2019-09-26 to be valid from 2020-01-01, spring semester 2020.

General Information

The course is included in the Master's (120 credits) programme in Service Management and is the second specialisation-specific course in the Supply Chain Management specialisation. It is offered in 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

For a Pass on the course, the students shall be able to

Knowledge and understanding

- demonstrate advanced knowledge and understanding of how logistics systems relate to central concepts in the area of sustainability.
- demonstrate advanced knowledge and understanding of different approaches and methods to measure and evaluate the sustainability of logistics systems.
- demonstrate knowledge of trends and practical projects with respect to sustainable logistics systems.
- identify and critically reflect on logistics systems' service aspects from the environmental, economic and social perspectives of sustainability.

Competence and skills

- demonstrate the ability to explain, orally and in writing, the roles of different actors in the supply chain and their effect on sustainability.
- demonstrate the ability to critically analyse, evaluate and compare different methods to measure and evaluate sustainability relating to logistics.
- demonstrate the ability to independently identify and formulate sustainability challenges in global and local supply chains and develop improvement strategies.
- demonstrate the ability to identify, evaluate and re-examine indicators for sustainable development and apply these from a holistic perspective on logistics systems.

Course content

The student will develop and deepen their understanding of the connection between logistics systems and sustainability. This is covered from different theoretical perspectives – economic, environmental and social. This knowledge is applied to the logistics system for the entire supply chain.

The student develops theoretical and practical proficiencies to evaluate and improve logistics systems with respect to the economic, environmental and social aspects of sustainability.

Course design

The teaching consists of lectures, seminars, workshops, individual presentations and project work.

Participation in guest lectures and seminars is compulsory, unless special circumstances apply. Students who have been unable to participate due to circumstances such as accidents or sudden illness will be offered the opportunity to compensate for or re-take compulsory components. This also applies to students who have missed teaching sessions due to elected office duties e.g. as student representative.

Assessment

The course is assessed through submission and presentation of three parts: two project assignments and a written article.

Part 1: Individual article (0.5 credit)

Part 2: Individual project (1 credit)

Part 3: Project work that is carried out in groups (6 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 academic 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. After this, further re-examination opportunities are offered, but in accordance with the current course syllabus.

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.

Components 2001 and 2002 are excepted from the grading scale above. Pass or Fail are used as grades for these course components.

The grade for a non-passing result is Fail. The student's performance is assessed with reference to the learning outcomes of 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 A, the student has demonstrated excellent results. For the grade of Fail, the student has demonstrated unacceptable results.

The grade for the course as a whole is calculated in the following way: Component 2001 provides 5-7 points. Component 2002 provides 5-7 points. Component 2003 provides 40-60 points.

Point scale:

A: 71-75 points

B: 66-70 points

C: 61-65 points

D: 56-60 points

E: 50-55 points

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, students must have earned 15 credits in the Master's (120 credits) programme in Service Management prior to semester 2.

Further information

Reading list:

- Bretzke, W. R., & Barkawi, K. (2013). Sustainable logistics: responses to a global challenge. Springer Science & Business Media (e-book available on Lund Library website)
- scientific articles are provided during the course

Subcourses in SMMV25, Sustainable Logistics

Applies from V20

- 2001 Article, 0,5 hp
Grading scale: Fail, Pass
- 2002 Individual project, 1,0 hp
Grading scale: Fail, Pass
- 2003 Project work, 6,0 hp
Grading scale: Fail, E, D, C, B, A