



GRADUATE SCHOOL

GM0519 Sustainable Logistics, 7.5 higher education credits

Hållbar Logistik, 7,5 högskolepoäng

Second Cycle

Confirmation

This course syllabus was confirmed by School of Business, Economics and Law on 2012-06-13 and was last revised on 2015-08-13 to be valid from 2015-08-31, autumn semester of 2015.

Field of education: Social Sciences 100%

Department: Graduate School

Position in the educational system

The course Sustainable Logistics is a programme course within the Master of Science programme in Logistics and Transport Management at the Graduate School, School of Business, Economics and Law, University of Gothenburg.

The course can be part of the following programmes: 1) Master of Science in Management (S2MAN), 2) Program in Environmental Social Science (S1SML), 3) Master of Science in Knowledge-based Entrepreneurship (S2KEN), 4) Master of Science in Marketing and Consumption (S2MAC), 5) Programme in Logistics management (S1LOM), 6) Master of Science in Accounting (S2ACC), 7) Master of Science in Economics (S2ECO), 8) Master of Science in Finance (S2FIN), 9) Programme in Business and Economics (S1HEG), 10) Master of Science in International Business and Trade (S2IBT), 11) Master of Science in Logistics and Transport Management (S2LOG) and 12) Master of Science in Innovation and Industrial Management (S2IFM)

Main field of studies

Logistics and Transport Management

Specialization

A1N, Second cycle, has only first-cycle course/s as entry requirements

Entry requirements

To be eligible for the course Sustainable Logistics the participant must fulfil the entrance qualifications for the Master of Science programme in Logistics and Transport Management. Students from the other Master of Science programmes at the Graduate School may also be eligible for the course.

Learning outcomes

After completing the course the students will be able to

Knowledge and understanding:

1. define key concepts of sustainable logistics
2. describe the core aspects of environmentally more efficient transport services, from both the demand and the supply side, and how they interact.
3. describe how a tool for environmental calculations functions

Skills and abilities:

4. reflect around the significance of cross-functional coordination in the focal company.
5. reflect around the need and potential for inter-organizational sustainable logistics coordination.

Judgement and approach:

6. analyze business strategies in connection to sustainable logistics, and the connection between the business environment and society (in terms of related policy issues).

Qualitative target	Learning outcomes
Knowledge and understanding	1+2+3
Skills and abilities	4+5
Judgment and approach	6

Course content

The objective of the course Sustainable logistics is to give the student knowledge of core aspects of sustainable logistics with the business logistics in focus. It will deal with business, policy and tools. The student will be able to analyze relationships between logistics and the environment and the significance of interorganizational coordination in supply chains but also in relation to society's strive for a sustainable transport system.

The course consists of 4 modules, but emphasis is on the second module:

1. Sustainable logistics in the business context
2. The role of environmental aspects in the supply and demand of transport services on the market and in different sectors.
3. Analytic and decision-making tools in green logistics
4. The policy and spatial dimension in logistics and the environment

The theories of sustainable logistics are learned through active participation in lectures and seminars, where opportunities to discuss the course content with lecturers and fellow students are provided. These theories are subsequently applied in a written case report in groups where the student will analyze given (business) problems. This report is then presented and discussed in seminars.

Form of teaching

Learning outcomes 1 and 2 will be examined through a written exam.

Learning outcomes 3, 4, 5 and 6 will be examined through a written case.

The examination consists of a written exam (worth 60 points) and of writing a case report which is presented orally in seminars (worth 40 points in total). In the case, theories from business logistics and strategic supply chain management shall be presented and applied in the analyses. The written report constitute part of the final grade of the course. The case report is individually assessed. The written exam will be given at the completion of the course.

A student who has failed a test twice has the right to change examiner, unless weighty argument can be adduced. The request shall be sent to the Graduate School and has to

be in writing.

Due to limited resources, the case can only be assessed at fixed examination sessions during the course period.

The Graduate School is obliged to offer the exam at least five times during the course of each two year period. Students who have made five unsuccessful attempts to pass an exam have lost the possibility of obtaining the Master of Science Degree.

Language of instruction: English

Assessment

Grades

The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U).

The maximum total points on the course are 100 points. For Pass on the course, 50% of the total points are needed (50 points) and the student must receive Pass on the written exam as well as on the written case report. For Pass with Distinction, 75% of the total of the points is needed (75 points) and the student must receive at least Pass on the written exam as well as on the written case report.

Course evaluation

The course will be evaluated upon completion. The results of the evaluation will be communicated to the students and will function as a guide for the development of the course.

Additional information

The syllabus in English is the official binding document.