



## GRADUATE SCHOOL

### **GM0527 Sustainable Logistics, 7.5 credits**

Hållbar Logistik, 7,5 högskolepoäng

*Second Cycle*

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#### **Confirmation**

This course syllabus was confirmed by Graduate School on 2021-03-10 to be valid from 2021-08-29, autumn semester of 2021.

*Field of education:* Social Sciences 100%

*Department:* Graduate School

#### **Position in the educational system**

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

#### *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. For programme specific entrance requirements, see programme syllabus.

#### **Learning outcomes**

On successful completion of the course the student will be able to:

##### *Knowledge and understanding*

1. define key concepts of sustainable logistics

2. describe different policy instruments for achieving more sustainable logistics
3. describe the core aspects of environmentally more efficient transport services, from both the demand and the supply side, and how they interact

*Competence and skills*

4. reflect around the significance of cross-functional coordination, for more sustainable logistics within the focal company
5. reflect around the need and potential for inter-organizational sustainable logistics coordination, i.e. between companies.

*Judgement and approach*

6. critically assess, analyze and propose solutions to relevant problems and business strategies regarding sustainable logistics, and also the connection between the business environment and society.

The course is sustainability-focused, which means that at least one of the learning outcomes clearly shows that the course content meets at least one of the University of Gothenburg's confirmed sustainability criteria. The content also constitutes the course's main focus.

**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, business tools and policy of society. The student will be able to analyze relationships between logistics and sustainability in companies, 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:

1. Sustainable logistics in the business context
2. Policy and society's role towards more sustainable logistics
3. Sustainability aspects in the supply and demand of transport services.
4. Analytic and decision-making tools in green logistics.

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**

The course contains lectures, exercises and group assignments.

*Language of instruction:* English

**Assessment**

Learning outcomes 1-2 are assessed through a written individual exam.

Learning outcomes 3-5 are assessed through a written group report, presentation at a seminar, participation in guest lectures, participation in possible study visits and a written individual exam.

Learning outcome 6 is assessed through a written group report, presentation at a seminar and a written individual exam.

Participation in seminars, guest lectures and possible study visits is mandatory. If the course coordinator agrees that the reason for absence or non-submission of compulsory elements is valid, then the missing elements can be replaced with alternative assignments. A failed group report can be supplemented to a pass grade. The individual exam shall be written individually, cooperation in formulating text, tables, figures etc. is not allowed.

A student who has taken two exams in a course or part of a course without obtaining a pass grade is entitled to the nomination of another examiner. The student needs to contact the department for a new examiner, preferably in writing, and this should be approved by the department unless there are special reasons to the contrary (Chapter 6 Section 22 of the Higher Education Ordinance).

If a student has received a recommendation from the University of Gothenburg for special educational support, where it is compatible with the learning outcomes of the course and provided that no unreasonable resources are required, the examiner may decide to allow the student to sit an adjusted exam or alternative form of assessment.

In the event that a course has ceased or undergone major changes, students are to be guaranteed at least three examination sessions (including the ordinary examination session) over a period of at least one year, but no more than two years, after the course has ceased/been changed.

The number of examinations is limited to five.

**Grades**

The grading scale comprises: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E) and Fail (F).

Pass is required on all examination forms. The grade (A-E) corresponds to the total score a student obtains on the individual written exam and the written group report. To receive a pass grade (A-E)  $\geq 50\%$  points is required. The scale is tied to fixed score intervals:

A: 85-100%

B: 75-84%

C: 68-74%

D: 60-67%

E: 50-59%

F:  $<50\%$

**Course evaluation**

The course will be evaluated upon completion. The results of and possible changes to the course will be shared with students who participated in the evaluation and students who are starting the course.