



UNIVERSITY OF GOTHENBURG  
SCHOOL OF BUSINESS, ECONOMICS AND LAW

**Programme Syllabus**  
**for**  
**Master of Science in Logistics and**  
**Transport Management**

120 higher education credits

*Second Cycle*

*Established by the Faculty Board of the School of Business, Economics and Law, University of Gothenburg, on November 14<sup>th</sup> 2006, last revised on October 27<sup>th</sup> 2016 (G 2016/519)*

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## 1. Decision and Guidelines

The study programme for the Master of Science in Logistics and Transport Management, 120 higher education credits, hec, (equals 120 ECTS credits), was established by the Faculty Board of the School of Business, Economics and Law on November 14<sup>th</sup>, 2006 and last revised on October 27<sup>th</sup> 2016. The programme syllabus applies as from autumn term of 2017.

The programme is managed by the Graduate School at the School of Business, Economics and Law, University of Gothenburg.

## 2. Programme Intent

The programme prepares students for advanced work within the field of Logistics and Transport Management, both in the private and public sectors. That involves, e.g., work as a transport manager, logistics manager and supply chain manager. In addition, the programme provides a basis for those who want to enter a doctoral programme.

## 3. Entrance Requirements

### General Entrance Requirements

To meet the entry requirements for master's level (second cycle or graduate) studies, students must:

- have been awarded a Bachelor's degree (equivalent to a Swedish Kandidatexamen) from an internationally recognized university
- be able to demonstrate proficiency in English equivalent to English studies at upper secondary school (high school) in Sweden, called English 6/English Course B.

For more information about General Entrance Requirements see [www.universityadmissions.se](http://www.universityadmissions.se) (English) and [www.antagning.se](http://www.antagning.se) (Swedish).

### Programme Specific Entrance Requirements – Master of Science in Logistics and Transport Management

The applicant's university education must include at least a Bachelor's Degree (i.e. the equivalent of 180 hec) and also a minimum of 30 hec of courses in subject areas related to business and/or economics. In addition the education must include a minimum of 15 hec in Statistics, or 7.5 hec in Statistics and 7.5 hec in quantitative methods and/or Mathematics.

The admission requirements listed above apply for admission to the programme. For continued studies within the programme individual courses might have specific requirements, as provided in each course syllabus.

#### **4. Degree Certificate and Degree Title**

Upon completion (receiving a minimum grade of Pass) of all the courses and the Master Degree Project, and fulfilment of the requirements given in the syllabus, students will receive a Degree of Master of Science (120 credits) with a Major in Logistics and Transport Management and Masterexamen (120 hp), Huvudområde: logistik och transport.

#### **5. Programme Learning Outcomes**

According to the Swedish Higher Education Act (HEA), second cycle education shall build on knowledge that students acquire in first cycle education or corresponding knowledge (HEA, Ch. 1:9) The general objectives for a Master (120 credits) are stated in the Higher Education Ordinance.

Specifically, upon successful completion of the programme the student shall be able to demonstrate:

- knowledge and understanding in logistics and transport management, including specialized knowledge in a sub-discipline.
- the ability to discuss, analyze and resolve problems within logistics and transport management.
- specialized methodological knowledge in Logistics and Transport Management.
- the ability to critically integrate knowledge and analyze complex phenomena, issues and situations.
- the ability to plan and undertake advanced tasks within predetermined time frames.
- communication skills, that is, the ability to effectively communicate both orally and in writing.
- knowledge about publication types and information sources that are relevant to the field of logistics and transport management and the ability to practically search for information.
- the ability to understand the connection between economic, social and environmental dimensions of sustainability.

## 6. Programme Disposition and Content

Entrance                      A: Students with less than 30 hec in logistics and transport-related courses                      B: Students with 30 or more hec in logistics and transport-related courses

Autumn Term 1 Period 1 and 2	Integrated Logistics 7.5 hec		International Business and Applied Economics 7.5 hec**
	Sustainable Logistics* 7.5 hec/ Intermodal Freight Transport* 7.5 hec		Global Sourcing 7.5 hec**
<b>At the end of Period 2 of the Autumn Term in Year 1, all students take 2 of the following 3 courses</b>			
Autumn Term 1 Period 3 and 4	Logistics Information Systems 7.5 hec	Operations Management 7.5 hec	Supply Chain Management 7.5 hec
Spring Term 2 Period 1 and 2	City Logistics 7.5 hec or Commercial Shipping & Trade Law 7.5 hec		
	Retailing, Wholesaling and Logistics 7.5 hec		
Spring Term 2 Period 3 and 4	Elective 7.5 hec		
	Elective 7.5 hec		

\* Given every second year

\*\*Students could choose the courses in entrance A during term 1, period 1 and 2.

**Year 2**

Autumn Term 3 Period 1 and 2	Elective 7.5 hec	
	Elective 7.5 hec	
Autumn Term 3 Period 3 and 4	Research Methods 7.5 hec	Elective 7.5 hec
Spring Term 4 Period 1-4	Master Degree Project (30 hec)	

The programme covers four academic terms of full-time study (120 hec) including three terms of courses, core and elective, 90 hec, and one term of Master Degree Project (thesis writing - 30 hec). Each term is divided into four periods, and each course is 7,5 hec, except where noted.

Core courses

Core courses are programme-specific and includes courses in methods with an emphasis on qualitative and quantitative analysis. Courses during the first half of the autumn term in year 1 (periods 1 and 2) depend on the student's educational background.

The programme offers a unique combination of widening and deepening knowledge and skills in logistics and transport management and the possibility for in-depth study of the topic during the Master's degree project. Widening and deepening knowledge and skills are provided through courses in both specialized logistics-related courses and also in generic business electives. The opportunity for personal differentiation and specialization is made possible through the availability of elective courses.

The specific content of the programme will depend largely on prior student experience and learning and the choices they exercise (student-centred learning), while ensuring that the fundamental content underpinning the named award are open to all. In addition, a range of discipline-specific and business-generic elective courses are available to students. This empowers students to differentiate their programmes and to specialize to some extent.

The fourth term is devoted to a full-time Master Degree Project (30 hec) under the supervision of a faculty member. The choice of thesis topic will take place during the third term.

### Elective courses

The Graduate School offers a number of electives within economics, business administration, law, economic history and economic geography. The elective courses offered may vary yearly depending upon faculty changes and number of registered students.

During the periods of elective courses the students have the possibility to specialize, a range of discipline-specific and business-generic elective courses are available to students. Examples of elective courses in Logistics and Transport Management that the programme offers are:

- International Trade and Logistics 7.5 hec
- Shipping – Production Systems and Logistics Management 7.5 hec
- Sustainable Logistics 7.5 hec
- Intermodal Freight Transport 7.5 hec

### **7. Guaranteed admission**

Students admitted to the programme have guaranteed admission to all core courses within the programme, given that the course requirements are fulfilled.

### **8. Tuition and Examination**

The language of instruction is English. Courses will include lectures, seminars and case studies. The students will also work together in small groups, according to educational principles such as problem-based learning, experiential learning and action learning.

Group reports, individual term papers and individually written exams will be assessed and graded individually.

Students who have made five unsuccessful attempts to pass an exam have lost the possibility of obtaining the Master of Science Degree.

### **9. Programme Evaluation**

All courses in the programme will be anonymously evaluated by the students upon completion. The results of the evaluations will be communicated to the students and will function as a guide for the development of the courses and of the programme.