



JÖNKÖPING UNIVERSITY  
*Jönköping International Business School*

PROGRAMME SYLLABUS  
**International Logistics and Supply Chain Management  
(Two Years), 120 credits**

Programmestart: Autumn 2022



## PROGRAMME SYLLABUS

# International Logistics and Supply Chain Management (Two Years), 120 credits

*International Logistics and Supply Chain Management (Two Years), 120  
högskolepoäng*

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|------------------------|---|-------------------------|--------------------|
| <b>Programme code:</b> | JAI29   | <b>Programmestart:</b>  | Autumn 2022        |
| <b>Confirmed by:</b>   | Dean 2017-11-16   | <b>Education Cycle:</b> | Second-cycle level |
| <b>Revised by:</b>     | Council for Undergraduate and Masters<br>Education 2021-05-03 |                         |                    |
| <b>Version:</b>        | 4   |                         |                    |

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### Title of qualification

Degree of Master of Science (120 credits) with a major in Business Administration

### Programme overview

#### Programme aims

This programme aims to provide students with new and future-oriented perspectives on international logistics and supply chain management and deepen their understanding of that area. It utilizes a cross-disciplinary approach, combining logistics and supply chain management with marketing, purchasing, management, economic geography, and informatics. Students are introduced to practice through interaction with a number of different companies. This is combined with learning applications of analytical tools and models through case illustrations and discussions. In the second year, the programme aims to further deepen students' competencies in business administration, focusing on developing their analytical skills and requiring more independent and critical research in the area of logistics and supply chain management.

### Objectives

#### General aims

Second cycle education shall essentially build on the knowledge students acquire in first cycle education or corresponding knowledge. Second cycle education shall involve a deepening of knowledge, skills and abilities relative to first cycle education and, in addition to what applies to first cycle education, shall;

- further develop the students' ability to independently integrate and use knowledge
- develop the[A1] students' ability to deal with complex phenomena, issues and situations
- and develop the students' potential for professional activities that demand considerable independence or for research and development work.

#### Program specific aims

##### *Knowledge and understanding*

Graduates of the programme will have a general knowledge and understanding of business administration principles and a specialised and considerably deep knowledge in certain areas of the field.

Corresponding Objectives:

Graduates of the programme will be able to

- demonstrate knowledge and understanding in business administration, including both broad knowledge in the field of business administration and a considerable degree of specialised knowledge of certain areas of the field;
- demonstrate deepened insight into current research and development work in logistics and supply chain management;
- demonstrate specialised methodological knowledge in business administration and specifically related to logistics and supply chain management; and
- demonstrate understanding of issues of logistics and supply chain management and how they can be interpreted with different theoretical approaches.

### *Skills and abilities*

Graduates of the programme will have acquired the skills to integrate knowledge critically and systematically and to analyse complex issues encountered for a career that includes logistics and supply chain management activities, and be effective communicators of activities associated with those skills.

Corresponding Objectives:

Graduates of the programme will be able to

- demonstrate an ability to integrate knowledge critically and systematically and analyse, assess and deal with complex phenomena, issues and situations associated with logistics and supply chain management, even with limited information;
- demonstrate the ability to identify and formulate issues critically, independently and creatively as well as to plan and, using appropriate research methods, undertake advanced tasks within predetermined time frames so as to contribute to the development of knowledge and evaluate this work;
- demonstrate an ability in speech and writing to report clearly on logistics and supply chain management issues and discuss their conclusions and the knowledge and arguments on which they are based, in dialogue with different national and international audiences; and
- demonstrate the skills required for participation in research and development work or to work independently in other advanced contexts, including in academic research related to logistics and supply chain management.

### *Judgement and approach*

Graduates of the programme will understand the scientific, social, ethical, and personal responsibility aspects of practical work and research in business administration, including the role, use, and development of knowledge and the ethical aspects and possibilities of scientific endeavour.

Corresponding Objectives:

Graduates of the programme will be able to

- demonstrate an ability to make assessments in business administration, taking into account relevant scientific, societal and ethical issues and also demonstrate awareness of ethical aspects in research and development work;
- demonstrate insight into the possibilities and limitations of science/research, its role in society and people's responsibility for how it is used; and
- demonstrate an ability to identify their personal need for further knowledge and to take responsibility for developing their knowledge.

### *Mission driven goal*

Graduates of the programme will be equipped to contribute to the advancement of business

practice in a global environment, with particular emphasis on aspects of Ownership, and/or Entrepreneurship and/or Renewal.

*Corresponding Objectives:*

Graduates of the programme will be able to:

- demonstrate management skills apt for leading change and renewal of supply chains
- solve problems and exercise analytical skills for logistics and supply chain management activities in a global environment.

The above is in accordance with the intended learning outcomes set for a two-year master's degree in the Swedish Higher Education Ordinance and JIBS mission.

## **Contents**

The master's programme International Logistics and Supply Chain Management (Two Years) provides a deepening education in the field of business administration for those already holding a bachelor degree and having a substantial amount of business administration education in their undergraduate studies.

This programme has been developed as a response to the increasing demand for trained professionals in the area of logistics and supply chain management. The programme presents students with new and future-oriented perspectives on logistics and supply chain management and deepens their understanding of that area. It utilizes a cross-disciplinary approach, combining logistics and supply chain management with business marketing, purchasing, management, economic geography, and informatics. Within individual courses, students are introduced to live cases through a number of study visits to different companies. This is combined with learning applications of analytical tools and models through case illustrations and discussions.

The programme includes eight mandatory courses held in the autumn and spring semesters of the first year. The autumn semester of the second year consists of 30 elective credits, in JIBS courses or courses abroad. The last semester consists of a 30 credits thesis course. The thesis in business administration should cover a topic of international logistics and supply chain management.

In the first year the programme begins by developing students foundational understanding of the advanced-level supply chain and logistics topics through the courses Advanced Supply Chain Management 1, Advanced Supply Chain Management 2: Integration and Alliances, International Distribution and Retailing, and Logistics Firms and Services. Students develop their competences to conduct empirical research on supply chains and logistics in Advanced Research Methods in Supply Chain Management.

In the second semester, students are introduced to more specialised topics in areas of contemporary and practical importance, namely digitalisation, sustainability, and humanitarianism. These topics are taught in detail in the courses IT-enabled Changes in Supply Chain Management, Supply Chain Sustainability, and Humanitarian Logistics.

In the second year the programme aims to further deepen the students' competencies in business administration, focusing on developing their analytical skills and requiring more independent and critical research in the area of logistics and supply chain management. The third semester consists of 30 electives and gives the opportunity for students to build a custom-made profile in composition of course package and choice of university. The recommendation is

to select master level courses within the specialisation but some complimentary topics might be relevant given students' personal preferences and career-plans. Students should choose courses within the fields of business administration, economics, statistics, economic geography, commercial law, informatics and language. For international exchange, students choose the courses at a partner university in coordination with JIBS faculty, and accreditation of the courses is also conducted by JIBS faculty. An option to international exchange is to stay at JIBS during the third semester with the same limitation on types of courses as there are for students studying abroad. The elective semester at JIBS can include an academic internship of 7,5 or 15 credits as part of the course package.

The fourth and last semester consists of a 30-credit thesis course. The thesis in business administration should cover a topic of International Supply Chain Management.

All courses are taught in English. Due to the fact that Jönköping International Business School (JIBS) has an exchange programme including a wide variety of partner universities, and the fact that this master programme and a number of other programmes at JIBS are open to students from around the world, the courses have a diverse international participation of students. The international atmosphere is reinforced with international subject matter in this programme, in particular, its consideration of supply chains that cross international borders. Students in this programme can have even more international exposure by taking advantage of the third-semester opportunity to study abroad through the exchange programme.

The education is meant to prepare the student for work in international environments, specifically within the areas of purchasing, logistics and supply chain management. The education is also meant to prepare students for research in those same areas, possibly within doctoral studies.

## Courses

### Mandatory courses

| Course Name   | Credits | Main field of study     | Specialised in | Course Code |
|---|---------|-------------------------|----------------|-------------|
| Advanced Research Methods in Supply Chain Management          | 7.5     | Business Administration | A1N            | JARM26      |
| Advanced Supply Chain Management 1                            | 7.5     | Business Administration | A1N            | JA1R26      |
| Advanced Supply Chain Management 2: Integration and Alliances | 7.5     | Business Administration | A1F            | JA2S26      |
| Humanitarian Logistics  | 7.5     | Business Administration | A1N            | JHLR21      |
| International Distribution and Retailing                      | 7.5     | Business Administration | A1N            | JIDR25      |
| IT-Enabled Changes in Supply Chain Management                 | 7.5     | Informatics             | A1N            | JICR25      |
| Logistics Firms and Logistics Services                        | 7.5     | Business Administration | A1N            | MLRR23      |
| Master Thesis in Business Administration (Two Years)          | 30      | Business Administration | A2E            | JMBV27      |
| Supply Chain Sustainability                                   | 7.5     | Business Administration | A1F            | JSSS23      |

### Elective courses

| Course Name | Credits | Main field of study | Specialised in | Course Code |
|-------------|---------|---------------------|----------------|-------------|
|-------------|---------|---------------------|----------------|-------------|

|  |     |                         |     |        |
|--|-----|-------------------------|-----|--------|
| Advanced Leadership <sup>†</sup>                     | 7.5 | Business Administration | A1N | MGSR23 |
| Entrepreneurial Growth <sup>†</sup>                  | 7.5 | Business Administration | A1N | ENOR23 |
| Global Strategy <sup>†</sup>                         | 7.5 | Business Administration | A1N | JGSR21 |
| Market Communication in a Digital World <sup>†</sup> | 7.5 | Business Administration | A1N | MLSR23 |

### Elective credits

1) For all 2-year master programmes, in the autumn of the 2nd year students have options for courses either at JIBS or through exchange. The elective courses noted during this period are default courses at JIBS if the students do not participate in exchange, academic internship or actively select other courses. The default courses at the optional semester are subject to change.

### Programme overview

#### Year 1

| Semester 1  |  | Semester 2   |  |
|---|--|--|--|
| Period 1  | Period 2   | Period 3   | Period 4                                 |
| Advanced Supply Chain Management 1, 7.5 credits       | Advanced Research Methods in Supply Chain Management, 7.5 credits          | IT-Enabled Changes in Supply Chain Management, 7.5 credits | Humanitarian Logistics, 7.5 credits      |
| International Distribution and Retailing, 7.5 credits | Advanced Supply Chain Management 2: Integration and Alliances, 7.5 credits | Logistics Firms and Logistics Services, 7.5 credits        | Supply Chain Sustainability, 7.5 credits |

#### Year 2

| Semester 3   |   | Semester 4   |          |
|--|---|--|----------|
| Period 1   | Period 2  | Period 3   | Period 4 |
| Optional credits, 30,00 credits                        |   | Master Thesis in Business Administration (Two Years), 30 credits |          |
| <i>Advanced Leadership<sup>†</sup>, 7.5 credits</i>    | <i>Global Strategy<sup>†</sup>, 7.5 credits</i>                         |  |          |
| <i>Entrepreneurial Growth<sup>†</sup>, 7.5 credits</i> | <i>Market Communication in a Digital World<sup>†</sup>, 7.5 credits</i> |  |          |

### Teaching and examination

To pass a course, the student needs to fulfil all the course requirements. Examination will be executed by written exam, oral exam or term papers. Different methods of examination can be used within a single course. The student will be offered examination opportunities in accordance with document: Regulations and Guidelines for first, second and third cycle education at Jönköping University. Mandatory workshops and assignments can figure within the frame of the course.

All courses offered by JIBS will be graded according to the following six levels: A-E constitutes a pass and FX or F is equal to a fail. The grades Pass or Fail can also be used for selected examinations.

### Prerequisites

The applicant must hold the minimum of a Bachelor's degree (i.e the equivalent of 180 ECTS credits at an accredited university) with at least 90 ECTS credits in one (or a combination) of the following areas: business administration, economics, industrial engineering and management, or equivalent. At least 60 ECTS credits must be in business administration. Proof of English proficiency is required.

### Continuation Requirements

To be eligible for study abroad, the student should, at the time of the study abroad application, have completed at least 15 ECTS of the programme course credits scheduled prior to the study

abroad.

The following requirements need to be met for students to proceed to the second academic year within the programme:

- Within the programme the student must not fall behind more than 30 credits.

### **Qualification Requirements**

To obtain the Master of Science (120 Credits) with a major in Business Administration, the student must complete the course requirements of at least 120 credits at the higher education level that were not used for the bachelor degree, with at least 90 credits overall in second-cycle courses and at least 60 of those second-cycle credits in business administration including 30 credit Master Thesis in Business Administration (Two Years).

To obtain the Master of Science (120 credits) with a major in Business Administration, with a focus on International Logistic and Supply Chain Management, the student must complete: (1) the requirements for the Master of Science (120 credits) with a major in Business administration, (2) all mandatory programme courses as listed in the above contents section, or their equivalent, and (3) a Master thesis in Business Administration (30 credits) that covers a topic with relevance for International Logistic and Supply Chain Management.

### **Quality Development**

Our cooperation with JSA, the student organization, is crucial. This work is conducted on two levels, programmes and courses.

#### **Programme level**

On the programme level student representatives for the programme are elected. The student representatives and the programme managers meet regularly to discuss courses and the progress of the programme. The representatives stay in contact with course coordinators to share the overall impression and student experiences from courses; in addition, the programme manager, student representatives, JSA and faculty meet annually to discuss the entire programme.

#### **Course level**

On the course level, programme developers and course coordinator meet shortly after the course has started. The purpose is to ensure that the course is working well and if necessary, make minor changes. After each course is finished all students perform course evaluations in the learning management system, and programme developers evaluate the course on the aggregate level and communicate with programme manager and course coordinator.

### **Other Information**

Preparatory/foundation courses cannot be included/counted for the JIBS degree.

Additional information, regarding the programme, will be presented on JIBS homepage before each application period.