

Logistic concepts

Author(s)	Erik van den Thillart	
Programme Manager	John Sterk Wil Hazelhof	Director IBMS and TMA Director IBL
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1. Module overview

This guide gives you an overview of Logistic Concepts. More detailed information can be found on the DLWO (<https://dlwo.dem.hva.nl>)

1.1 Content

Logistics is necessary for moving materials from suppliers to buyers, moving work in progress materials within a firm, moving finished goods to customers, returning or recycling goods and also storing these items along the way in supply chains in an international environment. Products have little value to customers until they are moved to customers' usage areas. So it can be seen that transportation, warehousing, information systems and customer service play important roles in the logistics function. In this module the many logistics activities are discussed along with logistics nomenclature, the global logistic issues, cultural pitfalls, the impact of ecommerce and reverse logistics. Many of the ethical and sustainable issues will be discussed in the module Supply Chain and Innovation

1.2 Learning goals

#	You can:
1.	Describe how changes in logistics can affect supply chain management decisions
2.	Discuss successful customer service in logistics
3.	Justify aspects of selecting a distribution channel to reach a competitive advantage
4.	Construct a logistics plan based on product characteristics, the product life cycle, packaging and unit loads.
5.	Analyze the trade-off to optimize the cost effectiveness of the distribution system
6.	Identify the costs and operations of warehousing
7.	Justify the modal choice of transportation in international logistics
8.	Design the monitoring of an outsourced logistics service

Appendix 1 defines the relationship of the learning goals within this module with your programme's profile competences.

1.3 Coherence with other modules

The Logistic concepts module is connected with all the other modules in year 2 and of any education regarding Marketing & Sales, Finance & Accounting, and Human Resource Management. The third and fourth year students will have to apply their gained knowledge of this course (and minor) in exchange, internship and their thesis. The Logistic Concepts module provides a comprehensive overview of how to strategically manage the movement and storage of products or materials from any point in the manufacturing process to customer fulfillment. Topics covered include important tools for strategic decision making, transport, packaging, warehousing, retailing, customer services and future trends. This module relates to the other modules in the Global Trade and Supply Chain minor. All the modules belonging to this minor will refer to logistics concepts for they all relate to moving of goods/services, funds and information.



1.4 Study materials & recommended further reading

Required study materials:

Study books					
Title	Author(s)	Publisher	Year	Edition	ISBN
Handbook of Logistics management and distribution	Alan Rushton, Phil Croucher, Peter Baker	Kogan page	2014	5th	978-0-7494-6627-5

Other study materials		
Title	Author(s)	Where to find this material?
Material for case questions		DLWO

Recommended further reading:

Books					
Title	Author(s)	Publisher	Year	Edition	ISBN
Logistics and supply chain management	Christopher, Martin	Prentice Hall	2010	4th	978-0273731122

1.5 Questions and who to contact

Questions about the module's content and study materials can be addressed to your lecturer(s) during the lessons. The consultation hours of the individual lecturers as well as their office location can be found in the lecturers' profile on the DLWO.



2. Set-up of this module

2.1 Teaching methodology

Work methods	Total study hours per Semester
Lectures about supply chain management (3 hours a week during 12 weeks)	36
Self- and case studies	102
Exam	2
Total study hours (1 credit = 28 study hours)	140

The lessons consist of a 3 hours lesson a week of which the student can work in class on assignments for 30 minutes. The rest of the lesson is spend on lecturing mandatory material and presentations on the assignments outcome from students, by students.

2.2 Assignments

The Logistic concepts course consists of 3 assignments: case studies with open questions which will be graded. This assignment will be conducted in groups of 2-3 students. Every 3 weeks the groups will have to hand the answers of the case study. The case studies/questions are related to the mandatory material discussed in the previous lecture(s). Additionally, students will have to do extra research in order to answer the questions properly. The average grade of the case studies will be 40% of the students' end grade.

Every week the student groups will work for 1/2 hour in class on the respective case studies. In order to motivate attendance and group work, you will be peer assessed by your group members. This assessment will be 10% of your assignment grade. **must attend 75%** of these sessions in order to be eligible for receiving a grade for the case study. Since there are twelve of these sessions this means that you may only miss three of them. If you are either more than 15 minutes late or do not participate seriously in the sessions then this will count as having been absent once.

The assessment model(s) for the assignment(s) can be found in Appendix 2.

2.3 Exams

The Logistic concepts course consists of a central written test (60% of your total grade). This will be a test with open questions based on small cases.



2.4 Assessment

The assessment methods used in this module are summarised below. The table also shows how the grade for this module will be calculated.

#	Description	Form	Learning goal(s) #	Lecture week	Weight (%)
1	Case Analysis	Assignment	1-8	4, 7, 10	40%
2	Exam	Written test	1-8	13 (central exam week*)	60%
					100%

2.5 Resit

If the average grade obtained for this module is below 5.5 you must do a resit. Which resit(s) you must do depends on which part(s) is/were insufficient. The different situations are illustrated in the table below.

Situation:	The resit will consist of the following test(s):	Your average module grade after resit will be calculated using the following weights:	The resit(s) will be scheduled in:
1 Average grade for the whole module ≥ 5.5	No resit needed	N.A.	N.A.
2 Average grade for the whole module < 5.5	Central resit exam (replacing the grades obtained for the case analysis and the 60% written test)	Grade resit exam = 100%	Resit week

2.6 General regulations

- 1 You are required to prepare for lessons. If you come to class unprepared, the lecturer has the right to deny you access to the lesson. What is requested of you in terms of lesson preparation is stated below and/ or on the DLWO for this module.
- 2 You must bring a laptop to school for each class. It is your responsibility to make sure that the battery lasts throughout each lesson. If you fail to bring a laptop to class and/or if the battery does not last throughout class, this is regarded as not being prepared. A lecturer then has the right to deny you (further) access to that lesson.
- 3 The assignments will not be graded if the level of English is inadequate or if other non-compliance with the IBS Reporting Guidelines is verified. If that is the case, you have to hand in your assignment again in the appointed resit period.



2.7 Lesson plan

Lecture week	Preparation	Lesson
1	CH 1 ,2	Logistics and distribution
2	CH 3, 4, 5	Challenges for Logistics
3	CH 6, 7, 8	Planning for Logistics I
4	CH 8, 9, 10	Planning for Logistics II
5	CH 11, 12	Planning for Logistics III
6	CH 16, 19, 20, 22	Warehouse and Storage
7	CH 23, 24, 25, 26	Freight Transport
8	CH 30, 35	Monitoring and Outsourcing Management
9		Guest Lecture/Company visit
10	All Mandatory material	Mockexam
11		Repeat
12		Repeat
13	Exam	



Appendix 1: Relationship with your programme's profile competencies

#	You can:
1.	Argue the value added of logistics and describe how they affect supply chain management
2.	Discuss succesfull customer service in logistics
3.	Justify aspects of selecting a distribution channel to reach a competitive advantage
4.	Construct a logistics plan based on product characteristics, the product life cycle, packaging and unit loads.
5.	Analyze the trade-off to optimize the cost effectiveness of the distribution system
6.	Identify the costs and operations of warehousing
7.	Justify the modal choice of transportation in international logistics
8.	Design the monitoring of an outsourced logistics service

LG	IBMS Profile Competencies	Level
1.	II4 Business Processes and change management IV.2 Co-operation III7 International Supply Chain Management	2 2 3
2.	III7 International Supply Chain Management IV.2 Co-operation	3 2
3.	I1 International Business Awareness I2 Intercultural Competency IV.2 Co-operation	2 2 2
4.	III7 International Supply Chain Management IV.2 Co-operation	3 2
5.	III7 International Supply Chain Management IV.2 Co-operation	3 2
6.	III7 International Supply Chain Management IV.2 Co-operation	3 2
7.	I1 International Business Awareness I2 Intercultural Competency IV.2 Co-operation	2 2 3
8.	II4 Business Processes and change management IV.2 Co-operation III7 International Supply Chain Management	2 2 3

LG	TMA Profile Competencies	Level
1.	Entrepreneurship, Import & Export policy	2
2.	Entrepreneurship, Import & Export policy	2
3.	Entrepreneurship, Import & Export policy	2
4.	Entrepreneurship, Import & Export policy	2
5.	Entrepreneurship, Import & Export policy	2
6.	Entrepreneurship, Import & Export policy	2
7.	Entrepreneurship, Import & Export policy	2
8.	Entrepreneurship, Import & Export policy	2

Appendix 2: Assessment model(s)

The assignments are based on open questions, regarding small cases or mandatory material. The answers on these questions are unambiguously and will be changing every semester.

