

Course program

Spring (V)14

MTTN45
- Humanitarian Logistics

Course responsible:
Professor Marianne Jahre

Welcome to the course

Why would you want to choose this course?

- You want to work abroad in challenging contexts
- The humanitarian world needs good logisticians
- The course combines practice and theory with teachers who practiced as logisticians in the Tsunami, Pakistan, Haiti,...
- It is an interactive course with lectures and case discussions
- No exam, but project task to be handed in at end of course
- ...you'd like to do something different -

Knowledge and understanding

For a passing grade the student must:

- be able to use theories, models and tools to describe, analyse and evaluate supply chains in a humanitarian context.

This means that the students will have:

- an overall picture of specifics about the humanitarian context and how this (may) impact on the design of the supply chain
- an understanding of the relationships between key elements in the supply chain and how to use it in this particular context
- capacity to understand, explain, and compare a set of specific models for managing the humanitarian supply chain
- and understanding of how to measure performance and implement changes to improve overall supply chain efficiency
- basic knowledge of information and documentation requirements

Skills and abilities

For a passing grade the student must independently be able to:

- methodically analyse needs and how they impact on supply chain design
- use established technical terms to communicate and discuss supply chain related issues in the humanitarian context
- put into practice models and tools presented in the course
- use reference literature and scientific publications to analyse, evaluate and develop solutions

Judgement and approach

For a passing grade the student must:

- have acquired self-confidence and deeper insight into the humanitarian logistics area
- be confident with methods to be used for the analysis of humanitarian supply chains
- be able to apply critical thinking to humanitarian logistics problems
- have developed their interest in humanitarian logistics issues
- have improved their insight into the role of logistics in the humanitarian context

MTTN45 - Humanitarian Logistics: Lp 2, V12 for - 7,5 ECTS

Contents

The humanitarian context: actors, activities and resources involved in disaster relief; designing, managing and measuring supply chains; sourcing and procurement; outsourcing and cooperation with logistics service providers, coordination needs and means; infrastructure, transportation and warehousing; trends in logistics/SCM strategies and structures.

Credits: 7,5 Grading scale: TH Cycle: A

Language of instruction: The course will be given in English

Course coordinator/s: Professor Marianne Jahre & Master student Johanna Leonard

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Recommended prerequisites: MTT105/F01 Logistics, MTTN01 Logistics in the Building Process or minimum 3 years of experience working with logistics.

Assessment: To qualify for a final grade, the student must have completed a compulsory project and cases. Evaluation of course performance is based on the project and participation in class. Parts: 2.

Home page: <http://www.tlog.lth.se>

Aim

The course will give students fundamental and advanced knowledge about humanitarian logistics and the design, management and measurement of supply chains in the humanitarian context with focus on disaster preparedness and response. The scope of the course is to provide an overview of the specific context of humanitarian logistics and a set of important available concepts, models, and tools. The course will furnish an understanding of the important role of logistics and supply chain management in the humanitarian context. It will also convey the knowledge and skills to methodically analyse needs, and consequently to design, manage and measure the supply chain.

The proposed approach is designed to give the participants specific information that they can add to their general logistics knowledge, to better understand how humanitarian logistics operates. This can provide the basis for the participant to become involved in, and hopefully improve, humanitarian logistics as a practitioner, supplier, or researcher.

Content

Lectures and facilitation:	42 hours
Student work: (project task/reading/case)	158 hours

Examiner

Marianne Jahre

Course responsible

Marianne Jahre - easiest to reach by e-mail.

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Course lecturers

From industrial management and logistics

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From Avenir Analytics

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Guests

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Relevant information

To be found in the website of the department. Click "Courses", then go to Ip 4 and click on the course name. In order to have full access to all information about the course, you need a password which is hl_student, Password: MTTN45

Literature

Articles provided by the department (at course website) ahead of course. There may be additional articles, case, presentations handed out during the course.

Depending on students' previous education and experience, we recommend one or more of the following books as a basis:

- Tomasini, R. and van Wassenhove, L. (2009) Humanitarian Logistics, INSEAD Business Press and Palgrave Macmillan, UK
- Simchi-Levi, D., Kaminsky, P. and Simchi-Levi, E. (2004) Managing the supply chain: The definitive guide for the business professional, McGraw-Hill
- Christopher, M. (2010) Logistics and Supply Chain Management, 4th edition, Financial Times Prentice Hall

Compulsory course components

1. Project task: 2 hand-ins.
2. Interactive exercises and class participation: Individual attendance and active participation through self-evaluation.
3. Lectures: In principle, all lectures are compulsory by assigning points per lecture for attendance.

Evaluation and grading

Project task	weight 50% (3,75 ECTS)
Participation in class	weight 50% (3,75 ECTS)

Project Task, cases and participation in class

The students are trained in small groups in identifying, theorizing, analysing, and understanding problems related to humanitarian logistics and supply chains. Information sources will be internet, reports, etc. In the assignment/case studies, the students will work in groups to analyse and solve cases and to write and orally present and participate in discussions. Students are to self-evaluate their active participation individually.

Schedule (Can be due to change)

	Module	Date	Time	Subject
WEEK 1	1	1.04	8-12 15-17	Structure & content of the course Humanitarian Context and activities
	2	2.04	8-10	cont. context and activities What is humanitarian SCM: Hand-out of IFRC-case
WEEK 2	3	8.04	8-10	Accountability and performance measurement
	4		10-12	Introduction to sourcing
WEEK 2	4	10.04	8-12	Sourcing & procurement Guest: Alexander Blecken, UNOPS
WEEK 3	5	7.05	8-12 13-15(17)	Transport, warehousing & materials management (Case)
WEEK 3	6	9.05	13-17	Distribution mechanisms in principle and practice Guest: Svein Hapnes, UNHCR by skype
WEEK 4	7	20.05	8-12 13-17	Coordination and accountability in practice
	8a	21.05	8-10, remaining of day is group work	Forecasting, strategic and tactical planning Main Case 1: 2 hrs in classroom, rest is student work
	8b	22.05	8-10 and 15-17, remaining of day is group work	Forecasting, strategic and tactical planning Main Case 2: 2*2 hours in classroom, rest is student work