



LUNDS UNIVERSITET
Lunds Tekniska Högskola

Course syllabus

Humanitärlogistik Humanitarian Logistics

MTTN46, 7,5 credits, A (Second Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED I

Date of Decision: 2023-04-14

General Information

Elective Compulsory for: MLOG2

Elective for: I4, M4, RH5, R4

Language of instruction: The course will be given in English

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. 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.

Learning outcomes

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 influences

- 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
- an understanding of how to measure performance and implement changes to improve overall supply chain efficiency
- basic knowledge of information and documentation requirements

Competences and skills

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 a 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 improved their insight into the role of logistics in the humanitarian context

Contents

The humanitarian context: actors, activities and resources involved in disaster relief and logistics; 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.

Examination details

Grading scale: TH - (U,3,4,5) - (Fail, Three, Four, Five)

Assessment: To qualify for a final grade, the student must have completed compulsory cases and hand-ins. Compulsory attendance may occur in certain parts.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Parts

Code: 0123. **Name:** Final Report.

Credits: 3,5. **Grading scale:** TH. **Assessment:** Approved individual report. **Contents:** The students write a report reflecting on various important aspects of humanitarian logistics.

Code: 0223. **Name:** Case Studies.

Credits: 4. **Grading scale:** UG. **Assessment:** Approved cases. **Contents:** In the case studies, the students will

work in Groups to analyze and solve cases and to write and orally present and discuss the results.

Admission

Admission requirements:

- MTTF01 Logistics OR MTTF25 Fundamentals of logistics and operations management OR VBRN40 Preparedness and Planning OR VRSN01 Introduction to Societal Resilience OR minimum 3 years of experience working with logistics and/or disaster management

The number of participants is limited to: No

The course overlaps following course/s: MTTN45

Reading list

- Articles will be provided by the course coordinator in the beginning of the course.

Contact and other information

Examiner: Joakim Kembro, joakim.kembro@tlog.lth.se

Course coordinator: Lina Frennesson, lina.frennesson@tlog.lth.se

Course homepage: <http://www.tlog.lth.se>

Further information: Participation is mandatory for the first session. Absence from the first class session may result in an automatic drop from the course.