



Course syllabus

Faculty of Technology

Kalmar Maritime Academy

1TP70K Lasthantering; olika godsslag och farligt gods, 5
högskolepoäng

Cargo handling, Cargo Types and Dangerous Cargo, 5 credits

STCW reference

Sektion A-II/1, A-II/2 samt A-VIII/2 Part 3 och 5

Subject Group

Other Subjects within Technology

Level of classification

First Level

Progression

G1N

Date of Ratification

Approved by Faculty of Technology 2017-05-29

The course syllabus is valid from spring semester 2018

Prerequisites

General entry requirements and Mathematics 2a / 2b / 2c, Physics 1b1 / 1a or
Mathematics B, Physics A (Field-specific entry requirements 7/A7).

Objectives

Proficiency and comprehension

By the end of this course, students will be able to:

- account for existing main types of maritime transport
- account for regulations regarding watchkeeping in port and during loading operations
- account for laws and regulations regarding the handling of dangerous goods in packaged form and as dry bulk

Skills and abilities

By the end of this course, students will be able to:

- produce, in accordance with current regulations, a loading plan for the placement of dangerous goods in packaged form and as dry bulk on ships.

Content

The main course contents are divided into the following areas:

- main types of maritime transport: dry, liquid and gas bulk, as well as general cargo
- the general structure, function and service of ports and terminals
- the most common cargo carriers
- watchkeeping in port and during loading operations
- SOLAS ch. VII part A and A-1, and MARPOL 73/78 annex III
- ADR, RID, IMDG and IMSBC, and the Memorandum of Understanding for the Transport of Dangerous Goods on Ro-Ro Ships in the Baltic
- documentation and incident reports
- classification, labelling, separation and stowage of dangerous goods in packaged form
- certification, labelling and handling of cargo carriers for dangerous goods and handling requirements on board various ship types
- load planning, preparations for loading and discharging of dangerous goods in packaged form and as bulk classified in IMSBC

Type of Instruction

Instruction consists of lectures and exercises.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

Knowledge assessment takes place through individual written exam and through obligatory assignments. In order to receive the grade Pass with distinction, it must be obtained on the written exam.

Course Evaluation

During the course or in close connection to the course, a course evaluation is to be carried out. The result and analysis of the course evaluation are to be communicated to the students who have taken the course and to the students who are to participate in the course the next time it is offered. The course evaluation is carried out anonymously. The compiled report will be filed at the Faculty and at the Kalmar Maritime Academy.

Required Reading and Additional Study Material

Transport av farligt gods Väg och järnväg Myndigheten för samhällsskydd och beredskap (MSB), 978-91-7383-737-8 (100 pages) Web-document.

IMDG-code IMO/Transportstyrelsen (1002 pages) Web-document.

IMSBC-code IMO/Transportstyrelsen (502 pages) Web-document.

Memorandum of Understanding for the Transport of Dangerous Goods on Ro-Ro Ships in the Baltic, Transportstyrelsen (19 pages) Web-document.

Roberts, Peter. Watchkeeping safety and cargo management in port. Nautical institute (217 pages).