



Northern Maritime University
North Sea Region

**The Interreg IVB
North Sea Region
Programme**



COURSE GUIDELINES

MODULE G – SHIP TECHNOLOGY

MODULE ELEMENTS:

G.1 – SHIP KNOWLEDGE

G.2 – SHIP TECHNOLOGY SYSTEMS

G.3 – SHIP OPERATION AND MANAGEMENT

G.4 – LEGAL FRAMEWORK REGULATING SHIP

G.5 – SHIP TECHNOLOGY DEVELOPMENT AND FUTURE TRENDS

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1 MODULE SHIP KNOWLEDGE

1.1 Introduction

In the maritime transport, ship is the most important mean to fulfil the services as a carrier of cargo from one place to another place. Often, the ship itself as well as the complex technology within is observed separately to the managerial one in the shipping operations. However, it is very crucial of any individuals interested in maritime transport to have knowledge about the ship as such that the communication among them can efficiently take place either on the management floor or in the engine room of the ship.

This module element “Ship Knowledge” aims at providing the basics of the ship as well as the related terms which are used in the shipping industry. It introduces different types of ships, which are used widely nowadays. It describes the ships various characteristics and respective types of cargoes and their purposes. Some 3-dimensional views of ships are provided, therefore learners can visualise or indicate each part, space, and the size of compartment compared to the whole ship.

The Ship Knowledge module consists of:

Sub-module 1.1 – Ship Types according to types of cargo

Sub-module 1.2 – Ship Types according to working purposes

Sub-module 1.3 – Ship particular and principal dimensions

1.2 Learning Objectives

- Ability to identify different type of ships according to types of cargo
- Ability to identify different type of ships according to working purposes
- Ability to explain general description, important features and characteristics of different kind of ships
- Acknowledge important data on various ships and their principal dimensions and terminologies
- Ability to understand related terms used in the shipping industry
- Ability to identify the key important aspects of the ship as the basics to support managerial decision during ship operation

1.3 Instructional Methods

- E-learning module (self learning)
- “Self-Check” exercises
- Individual tests
- Group discussions on Discussion Forum
- Group assignments and presentation

1.4 Assignments/Grading

- Individual test 1: 30%
Individual test 1 includes topic of Sub-module 1.1. Duration of test is 60 minutes.
Test will be performed online on Wed, 17th March 2010 from 19:00 – 20:00.
Student should be online 10 minutes before exam starts. Student, who is late, may follow the test without time extension.
- Individual test 2: 30%
Individual test 2 includes topic of Sub-module 1.2 & 1.3.
Duration of test is 60 minutes.
Test will be performed online on Wed, 31st March 2010 from 19:00 – 20:00.
Student should be online 10 minutes before exam starts. Student, who is late, may follow the test without time extension.
- Group Assignment and presentation: 40%
Group allocation will be announced on Mon, 8th March 2010.
Presentation will be performed online for 10 minutes.
Presentation schedule of each group: Wed, 7th April 2010.
Time: to be announced.

1.5 Workload

45 hours (1.5 ECTS)

Following table shows an estimation of working hour for each topic/activity.

Time allocation	Topic/Activity
10 hours	Sub-module 1.1 including self-learning, self-test exercises and test-1 preparation
10 hours	Sub-module 1.2 including self-learning, self-test exercise and test-2 preparation
10 hours	Sub-module 1.3 including self-learning, self-test exercise and test-2 preparation
1 hour	Individual Test 1
1 hour	Individual Test 2
10 hours	Group assignment preparation and presentation
3 hours	Face-to-face sessions <ul style="list-style-type: none"> - Introduction session - Evaluation session

1.6 Course Schedule

This spring semester course will run from **8th March – 9th April 2010 (5 Weeks)**.

Week	Topic/Activity
Week 1	<ul style="list-style-type: none"> - Introduction of the module and e-learning platform (Face-to-Face session) - Start Sub-module 1.1 – Ship Types according to types of cargo - "Self-test" exercises - Group meeting
Week 2	<ul style="list-style-type: none"> - Prepare individual test 1 - Individual Test 1 - Start Sub-module 1.2 – Ship Types according to working purposes - "Self-test" exercises
Week 3	<ul style="list-style-type: none"> - Start Sub-module 1.3 – Ship particular and principal dimensions - "Self-test" exercises - Prepare individual test 2
Week 4	<ul style="list-style-type: none"> - Individual Test 2 - Working on group assignment
Week 5	<ul style="list-style-type: none"> - Evaluation of the course (Face-to-Face session) - Submit group assignment (in presentation format) - Present group assignment

1.7 Award

After completion of module, student who has continuously performed until end of the module and has completed all the individual tests, group assignments and presentation, will receive an NMU certificate.

1.8 Extra Information

Tentative schedule for this course:

Week	Date	Time	Place	Topic/Activity
0	Fri, 5/3/2010	Until 17:00		Deadline of Registration
1	Mon, 8/3/2010	10:00	East Hall 1 JacobsUni	- Introduction Session - Login to e-learning platform - Group Allocation
2	Wed, 17/3/2010	19:00 – 20:00	Online	Individual Test 1
3	Wed, 31/3/2010	19:00 – 20:00	Online	Individual Test 2
4	Wed, 7/4/2010	tba	Online	Group 1 Presentation
5	Wed, 7/4/2010	tba	Online	Group 2 Presentation
6	Wed, 7/4/2010	tba	Online	Group 3 Presentation
7	Wed, 7/4/2010	tba	Online	Group 4 Presentation
8	Fri, 9/4/2010	10:00	East Hall 1 JacobsUni	- Evaluation Session - Certificate distribution

Please inform **before** the course start if the any above date could not be met due to other academic reasons. Only prior notification will be considered.

1.9 Recommendation for computer

- A web compatible computer and Monitor (17" or larger)
- Operating system: windows 2000/ XP / Vista
- Screen resolution: 1024 X 768 pixel or better
- Multimedia equipment: Speakers, including headset + microphone, and Webcam
- Browser: Internet Explorer or Firefox
- Internet Access: Broadband DSL

Northern Maritime University e-learning uses Moodle platform, free and open-source e-learning software. A manual how to use the platform can be found once you logged in.

1.10 Access to NMU e-learning

To access the NMU e-learning, please go to: <http://nm-uni.eu>.