

## Seamanship (C003425)

Due to Covid 19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

Course size (nominal values; actual values may depend on programme)  
Credits 3.0 Study time 90 h Contact hrs 24.0 h

### Course offerings and teaching methods in academic year 2020-2021

A (year)	English	Gent	lecture	21.25 h
			practicum	3.75 h

### Lecturers in academic year 2020-2021

Annaert, Axel	103879	lecturer-in-charge
Sensen, Christophe	103879	co-lecturer

### Offered in the following programmes in 2020-2021

Programme	crdts	offering
<a href="#">Postgraduate Hydrography B</a>	3	A

### Teaching languages

English

### Keywords

### Position of the course

### Contents

1. SHIP CONSTRUCTION
  - determine the vessel's main construction components
  - recognize the terminology for locations on a vessel
  - identify the major equipment systems
  - identify different ship types and their major differences
  - determine the engines on board
  - determine the effect of engines on board (noise, interference)
  - explain the purpose of derricks, davits, A-frames, cranes, winches and capstans
2. STABILITY
  - basic stability principles
  - list factors affecting ship stability and how to react
3. ROPES AND WIRES
  - Recognize different types of wire, natural, and synthetic rope
  - Tie a square knot, clove hitch, and bowline
  - Give examples where each might be used on a boat or aboard ship
  - Describe the purpose and use of block and tackle
  - Describe methods for securing equipment for heavy weather

### Initial competences

### Final competences

- 1 The aim is to gain basic knowledge about seamanship.
- 2 Ability to interpret ship's plans, dangers and tools to perform good seamanship.
- 3 The student will obtain an idea of the different actions that can cause dangers to the stability of the vessel.

### Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

### Conditions for exam contract

This course unit cannot be taken via an exam contract

## Teaching methods

Lecture, practicum

## Learning materials and price

## References

- Taylor, D.A. (1998). *Merchant Ship Construction* (4th ed.). London, UK: IMarEST. ISBN: 97819025636002.
- Eyres, D.J. & Bruce, G.J. (2012). *Ship Construction* (7th ed.). London, UK: Butterworth-Heinemann. ISBN: 9780080972398.
- van Dokkum, K. (latest ed.). *Ship Knowledge*. Enkhuizen, The Netherlands: Dokmar.
- International Association of Classification Societies. (2011). *Classification Societies - What, Why and How?*. London, UK: IACS.
- International Maritime Organization. (1978). *International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW) 1978, as amended*. London, UK: IMO.
- International Maritime Organization. (1974). *International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended*. London, UK: IMO.
- International Maritime Organization. (1966). *International Load Lines Convention (ILL) 1966, as amended*. London, UK: IMO.
- International Maritime Organization. (latest ed.). *Recommendation on Intact Stability for Passenger and Cargo Ships*. London, UK: IMO.
- Barrass, B., Derrett, D.R. (latest ed.) *Ship Stability for Masters and Mates*. London, UK: Butterworth-Heinemann.
- Rhodes, M. (2009). *Ship Stability OOW*. Edingburgh, UK: Witherby Seamanship International.
- van Dokkum, K. (latest ed.). *Ship Stability*. Enkhuizen, The Netherlands: Dokmar.
- Clark, C. (2008). *Stability, Trim and Strength for Merchant Ships and Fishing Vessels*. London, UK: The Nautical Institute. ISBN: 9781870077873

## Course content-related study coaching

### Evaluation methods

end-of-term evaluation

### Examination methods in case of periodic evaluation during the first examination period

Written examination

### Examination methods in case of periodic evaluation during the second examination period

Written examination

### Examination methods in case of permanent evaluation

### Possibilities of retake in case of permanent evaluation

not applicable

### Calculation of the examination mark