



COURSE:

Mastering Daily Navigation





Duration:

3 months



Prerequisites:

- Basic nautical knowledge
- Recommended: Understanding of terrestrial and electronic navigation, Basic ECDIS knowledge, Practical experience on board



Flexible Learning:

Online, any time of the day,
at your own convenience.



Need Help?

We are here to help.
Our Support agents are on call 24/7.

1. Overview

While the rapid advancement of the navigational equipment continuously improves the overall safety of navigation, bridge officers face a new kind of challenge. The latest technological shifts often lead to over-reliance on machines and the classical navigation moves out of focus. Combined with the complexity of the equipment interface, it is becoming increasingly clear that watchkeeping officers must be able to practice classical navigation concepts in conjunction with modern-day technology.

“Mastering Daily Navigation” online course combines essential aspects that every officer of the watch should know, with practical onboard scenarios. Furthermore, it focuses on refreshing necessary knowledge to ensure safe navigation and give every officer the ability to identify and judge related situations accurately.

2. Target Audience

This course is ideal for all ranks of bridge watchmen including:

- **Cadets** - who wish to connect their theoretical knowledge with real-life scenarios
- **Officers** - who want to refresh what they learned when they acquired their CoC
- **Captains** - who would like to have a fresh view on how to combine traditional navigational tools with modern technology.

3. Educational Objectives

As a refresher tool, "Mastering Daily Navigation", provides vital learning experience on navigational knowledge through practical use-cases. Moreover, the course places everything into the context of a modern bridge, in order to offer a 360° view on daily navigation. The educational material is provided with real-life situations for a more powerful impact in the learning process.

4. Prerequisites

Basic nautical knowledge is the only prerequisite for the course. It is not necessary to have a CoC as a navigational watch officer, however an understanding of terrestrial and electronic navigation, especially the basic knowledge of ECDIS is strongly recommended. Additionally, practical experience on board is an advantage, as this can help to make full use of the scenarios included in the course.

5. Learning Outcomes

Module 1 - Basic mathematics in navigation

- One by sixty rule
- Vector Calculation for Set and Drift
- Time Zones and Conversions

Module 2 - Lines and Coordinates on the Earth's surface

- Great Circle and Rhumb Line
- Difference of Latitude and Longitude
- Magnetic North and True North
- Chart Projections and Chart Scales
- Buoys and Beacons
- Cardinal Marks

Module 3 - ECDIS Mindset

- Dangers of Chart Scaling and SCAMIN
- Isolated Danger Marks
- Manual Chart Updates vs User Chart Objects

6. The E-Learning Experience

The scenarios of the course are presented with high-quality videos and audio having a significant impact on the user's learning experience with the combination of image and sound.

7. Frequently Asked Questions

Q - Why should I get the course?

A - The course serves as a refresher tool for seafarers, covering the essential subjects they are facing while on board.

Q - How can the course help me onboard?

A - Onboard any vessel, an officer deals with numerous complex machines and has to know how to work "with them" to deal with potential unexpected incidents. A seafarer must understand the theory, access the facts, process the information provided by these machines and be alert to deal with unplanned situations. The officer must be in a position to combine the high-tech navigation processes with traditional methods and not depend solely on the machines.

Q - Do I receive a certificate after I successfully complete the course?

A - Yes you will receive a digital certificate, which can also be downloaded as a PDF.

Q - What is the certificate validity?

A - Indefinite

Q - How much does the course cost?

A - The course duration is three months and costs 71.40 EU including VAT.

Q - What are the technical requirements needed to take the course?

A - We recommend the usage of wired internet connection. Please note that connection via mobile internet is also possible, however, it is considered highly unstable and might cause failure of your exam.

Supported Internet Browsers: Chrome, Firefox, Internet Explorer, Safari, Edge

Operating Systems:

- Windows 8 or higher with latest updates installed
- MacOS 10.12 Sierra or higher with latest updates installed