

Navigation Essentials for Non-Navigators: 5-Day Course

Special Workshops
Vienna (Austria)
12 - 16 Jan 2026

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Navigation Essentials for Non-Navigators: 5-Day Course

Ref: 321570_141159 **Date:** 12 - 16 Jan 2026 **Location:** Vienna (Austria) **Fees:** 4400 **Euro**

Course Description

This comprehensive 5-day course introduces non-navigators to the fundamentals of maritime navigation. Participants will gain practical knowledge of chart reading, GPS usage, and navigation rules. The course combines theoretical concepts with hands-on exercises to ensure a thorough understanding of navigation essentials.

Learning Objectives

- Understand basic navigation concepts and terminology
- Read and interpret nautical charts effectively
- Use GPS and other electronic navigation tools
- Apply navigation rules and regulations in various scenarios
- Perform basic navigation calculations and plotting
- Identify and respond to common navigation challenges

Course Modules

Day 1: Introduction to Navigation

- Basic navigation concepts and terminology
- Types of navigation: dead reckoning, pilotage, celestial, electronic
- Understanding latitude, longitude, and coordinate systems
- Introduction to nautical charts and symbols

Day 2: Chart Reading and Plotting

- Detailed chart reading techniques
- Using navigation tools: dividers, parallel rulers, plotters
- Plotting courses and positions on charts
- Understanding chart scales and projections

Day 3: Electronic Navigation and GPS

- Introduction to GPS and its principles
- Using electronic charts and ECDIS
- Integration of GPS with other navigation systems
- Limitations and potential errors in electronic navigation

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Day 4: Navigation Rules and Regulations

- International Regulations for Preventing Collisions at Sea COLREGS
- Buoyage systems and navigation aids
- Understanding vessel traffic services VTS
- Navigation in restricted visibility and heavy traffic

Day 5: Practical Navigation and Problem Solving

- Route planning and voyage preparation
- Tides, currents, and their effects on navigation
- Weather interpretation for navigation
- Case studies and navigation problem-solving exercises

Practical Wins for Participants

- Ability to read and interpret nautical charts confidently
- Proficiency in using GPS and electronic navigation tools
- Understanding of navigation rules for safe vessel operation
- Skills to plan basic routes and navigate in various conditions

A graphic of a chessboard with several chess pieces. A gold king piece is prominent in the foreground, with a silver pawn and a gold pawn nearby. The board has a checkered pattern, and there are concentric circles in the background.

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