



COURSE OVERVIEW OE0077
Fundamentals of Coastal Navigation,
Rule of the Road and Chart Work

Course Title

Fundamentals of Coastal Navigation, Rule of the Road and Chart Work

Course Date/Venue

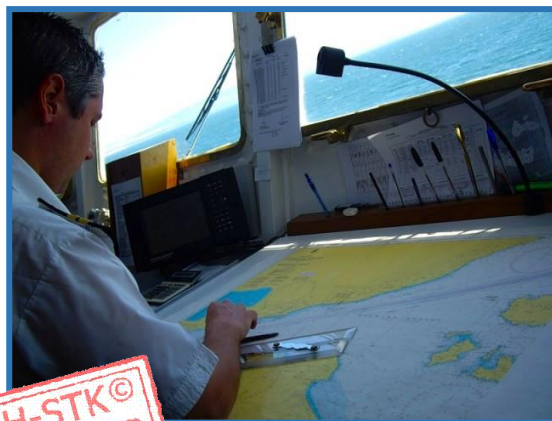
January 04-08, 2026/Royal Majlis Meeting Room, Millennium Plaza Downtown Hotel, Sheikh Zayed Rd - Trade Centre 1, Dubai, UAE

Course Reference

OE0077

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs



Course Description



This practical and highly-interactive course includes various practical sessions and exercises. Practical sessions will be performed using our equipment in order to apply the theory learnt in the class.



This course is designed to provide participants with a fundamental overview of . It covers the principles and importance of coastal navigation; the types of nautical charts, orientating a chart and identifying features and hazards from a chart; the basic chart work skills and the importance of adhering to collision regulations (COLREGS); the use of topographical features and navigation marks through chart orientation techniques and fixing position techniques; and plotting a course to steer.



During this interactive course, participants will learn the weather conditions and their effects; using compass for navigation and the basic rules of the road (COLREGS); the navigational equipment and day marks using GPS, radar, chart plotter, depth sounder and compass; the IALA a buoyage system; the lateral marks, cardinal marks, special and isolated danger marks and safe water marks on a chart; fixing positions and navigating using multiple aids; and the integrated navigation exercises combining chart work, weather and equipment use.



Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain a fundamental knowledge on coastal navigation, rule of the road and chart work
- Discuss the principles and importance of coastal navigation
- Understand nautical charts, orientate a chart and identify features and hazards from a chart
- Enhance basic chart work skills and discuss the importance of adhering to collision regulations (COLREGS)
- Carryout advanced chart orientation techniques and position fixing techniques as well as plot a course to steer
- Identify weather conditions and their effects and use compass for navigation
- Review the basic rules of the road (COLREGS) and employ navigational equipment like GPS, radar, chart plotter, depth sounder and compass
- Explain the significance of principal day marks used in IALA a buoyage system
- Identify the lateral marks, cardinal marks, special and isolated danger marks and safe water marks on a chart
- Illustrate fixing positions and navigate using multiple aids and integrate chart work, weather and equipment use
- Review navigational skills as well as identify and approach navigation marks

Exclusive Smart Training Kit - H-STK®



*Participants of this course will receive the exclusive “Haward Smart Training Kit” (H-STK®). The H-STK® consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides fundamental overview of all significant aspects and considerations of coastal navigation, rule of the road and chart work for ship engineers, skippers, port controllers, ship controllers, vessel controller’s navigators, marine radar operators, operations and maintenance staff.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Fee

US\$ 8,000 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations

Haward's certificates are accredited by the following international accreditation organizations: -

-  British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

-  The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.



Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:



Captain Sergey Kole, is an **International Expert** in **Port Operations & Logistics Management** with over **25 years** of **onshore and offshore** experience within the **Oil & Gas, Petroleum and Refinery** industry. His expertise widely covers in the areas of **Anatomy of Shipping, Logistics & Transportation Planning** Methods, **Forecasting Logistics** Demands, **Visual Network Model, Logistics Operations, Tanker Vetting & Inspection, Marine Vetting & Audit Criteria Manual for Tank Ships, Marine & Ship Vetting, Vetting Process & Marine Safety Criteria, Tanker Vetting for Terminals, Ship Vetting, Marine Terminal Operations & Management, Marine Hazards Prevention & Control, Marine Communication Systems, Marine Safety, Ship Management, Oil Terminal Planning, Vessels Operations, Terminal Management & Support Operations, Oil Spill Contingency & Emergency Response Plan, Qualitative & Quantitative Risk Assessments, Terminal Planning, Oil Tanker Storage Planning, Cargo Transfer Handling, Loading & Discharging, Ballasting, Tank Cleaning, Crude Oil Washing, Ship Handling, Radar Navigation, Navigational Aids, Meteorological Data Review, Sea & Weather Condition Monitoring, ERT Vessel Coordination and Transport & Distribution Carrier**. Further, he is well-versed in **Sea-going Personnel Human Resource Management, Survival Craft & Rescue Boats, Dynamic Positioning, Anti-Piracy Preparedness & Response, Shipping Maintenance System, Oil & Chemical Tanker, Liquefied Gas Tanker, Inert Gas System, Crude Oil Tanker & Gas Carrier, Offshore Logistics & Supply Management, Marine Fleet Management & Operations, International Maritime Conventions & Codes, Marine Radar, Port Traffic Control Systems & Instrumentation, H²S Hazard Awareness, Firefighting, Medical Care Onboard, Carriage of Dangerous & Hazardous Substances and Ballast Water & Sediment Management**.

During his career life, Captain Sergey has gained his technical and marine expertise through various challenging key positions such as being the **Captain, Operations Director, Project Manager, Port Supervisor, Master** of General Cargo Ship, **Master** of Container Ship, **Chief Officer, Marine Operations Specialist, Marine Coordinator, On-call Duty Officer, Crewing Consultant, 2nd Officer, Ship Chandler** and **Senior Instructor/Trainer** for several international companies such as **ZADCO, AMEC Foster Wheeler, Fircroft Engineering Services, Ltd., Rusalina Yacht Company, Van Oord Offshore, Exxon Neftegaz Ltd (ENL), Jr Shipping, Carisbrooke Shipping, Unicorn Petrol ve Kimya, Q Shipping BV, m/v Tradeport, Miedema Shipping CV, Rah Management BV, Petrobulk Maritime Inc., Empross Lines Ship Management, Melcard Ltd., Aquarian Shell Marine Inc., Mercy Baaba and Square Ltd.**

Captain Sergey has a **Bachelor's** degree in **Navigation in Nautical Studies** from the **Kiev State Academy of Water Transport, Ukraine** and holds a **Master Mariner** (Unlimited) Certificates of Equivalent Competency from the MCA, UK and NSI, Netherlands. Further, he is a **Certified Instructor/Trainer, a Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management (ILM)** and has delivered various trainings, courses, seminars, workshops and conferences internationally.



Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures
- 20% Practical Workshops & Work Presentations
- 30% Hands-on Practical Exercises & Case Studies
- 20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the workshop for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1: Sunday, 04th of January 2026

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	PRE-TEST
0830 – 0930	Introduction to Coastal Navigation Overview of Coastal Navigation Principles • Importance & Objectives of Coastal Navigation
0930 – 0945	Break
0945 – 1030	Understanding Nautical Charts Types of Nautical Charts • Symbols & Abbreviations Used in Charts
1030 – 1130	Orientating a Chart Using Topographical Features • Navigation Marks & Compass Orientation
1130 – 1215	Identifying Features & Hazards Recognizing Hazards from a Chart • Key Features to Look for in Coastal Navigation
1215 – 1230	Break
1230 – 1330	Basic Chart Work Skills Measuring Distances on a Chart • Predicting Expected Progress Accurately
1330 – 1420	Rule of the Road (Collision Regulations) Overview of COLREGS • Importance of Adhering to COLREGS
1420 – 1430	Recap Using this Course Overview, the Instructors will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1430	Lunch & End of Day One

Day 2: Monday, 05th of January 2026

0730 – 0830	Advanced Chart Orientation Techniques Detailed Use of Topographical Features & Navigation Marks
0830 – 0930	Position Fixing Techniques Using Transits to Fix Position • Holding a Course Accurately
0930 – 0945	Break



0945 – 1100	Plotting a Course to Steer <i>Taking Wind & Current into Account • Calculating Deviation & Variation Effects</i>
1100 – 1215	Weather Conditions & Their Effects <i>Identifying Common Weather Conditions • Describing How Weather Affects Boating Activities</i>
1215 – 1230	<i>Break</i>
1230 – 1330	Using Compass for Navigation <i>Understanding Compass Deviation & Variation • Practical Exercises on Compass Use</i>
1330 – 1420	Rule of The Road (COLREGS) - Part I <i>Detailed Study of the Basic Rules • Practical Applications & Scenarios</i>
1420 – 1430	Recap <i>Using this Course Overview, the Instructors will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow</i>
1430	<i>Lunch & End of Day Two</i>

Day 3: Tuesday, 06th of January 2026

0730 – 0830	Navigational Equipment <i>Overview of GPS, RADAR, Chart Plotter, Depth Sounder & Compass</i>
0830 – 0930	Using GPS for Navigation <i>Principles of GPS Navigation • Practical Exercises on Using GPS</i>
0930 – 0945	<i>Break</i>
0945 – 1100	RADAR & Chart Plotter <i>Understanding RADAR Principles • Using Chart Plotter for Accurate Navigation</i>
1100 – 1215	Depth Sounder & Compass <i>Navigating with Depth Sounder • Advanced Compass Navigation Techniques</i>
1215 – 1230	<i>Break</i>
1230 – 1330	IALA a Buoyage System <i>Principal Day Marks Used in IALA a Buoyage System • Significance of Day Marks in Navigation</i>
1330 – 1420	Rule of the Road (COLREGS) - Part II <i>In-depth Study of COLREGS • Practical Applications & Case Studies</i>
1420 – 1430	Recap <i>Using this Course Overview, the Instructors will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow</i>
1430	<i>Lunch & End of Day Three</i>

Day 4: Wednesday, 07th of January 2026

0730 – 0830	Identifying Lateral Marks <i>Port & Starboard Lateral Marks • Characteristics & Significance</i>
0830 – 0930	Cardinal Marks <i>North, South, East & West Cardinal Marks • Identifying & Describing Characteristics</i>
0930 – 0945	<i>Break</i>



0945 – 1100	Special & Isolated Danger Marks <i>Recognizing Special Marks & Isolated Danger Marks • Practical Navigation Around these Marks</i>
1100 – 1215	Safe Water Marks <i>Identifying Safe Water Marks on a Chart • Understanding their Significance & Approach</i>
1215 – 1230	<i>Break</i>
1230 – 1330	Fixing Positions & Navigating <i>Practical Exercises on Fixing Positions • Navigating Using Multiple Aids</i>
1330 – 1420	Rule of the Road (COLREGS) - Part III <i>Advanced Scenarios & Applications • Group Discussions & Problem-Solving</i>
1420 – 1430	Recap <i>Using this Course Overview, the Instructors will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow</i>
1430	<i>Lunch & End of Day Four</i>

Day 5: Thursday, 08th of January 2026

0730 – 0830	Integrated Navigation Exercises <i>Combining Chart Work, Weather, & Equipment Use • Practical Navigation Scenarios</i>
0830 – 0930	Review of Navigational Skills <i>Comprehensive Review of Skills Learned • Practical Tests & Assessments</i>
0930 – 0945	<i>Break</i>
0945 – 1100	Advanced Use of Navigational Equipment <i>Practice with GPS, RADAR, & Chart Plotter • Navigating by Day & Night</i>
1100 – 1230	Identifying & Approaching Navigation Marks <i>Practical Exercises on Mark Identification • Approaching Marks Correctly & Safely</i>
1230 – 1245	<i>Break</i>
1245 – 1345	Comprehensive Chart Work Exercise <i>Complex Chart Work Scenarios • Team Exercises & Discussions Break</i>
1345 – 1400	Course Conclusion <i>Using this Course Overview, the Instructors will Brief Participants about the Course Topics that were Covered During the Course</i>
1400 – 1415	POST-TEST
1415 – 1430	<i>Presentation of Course Certificates</i>
1430	<i>Lunch & End of Course</i>

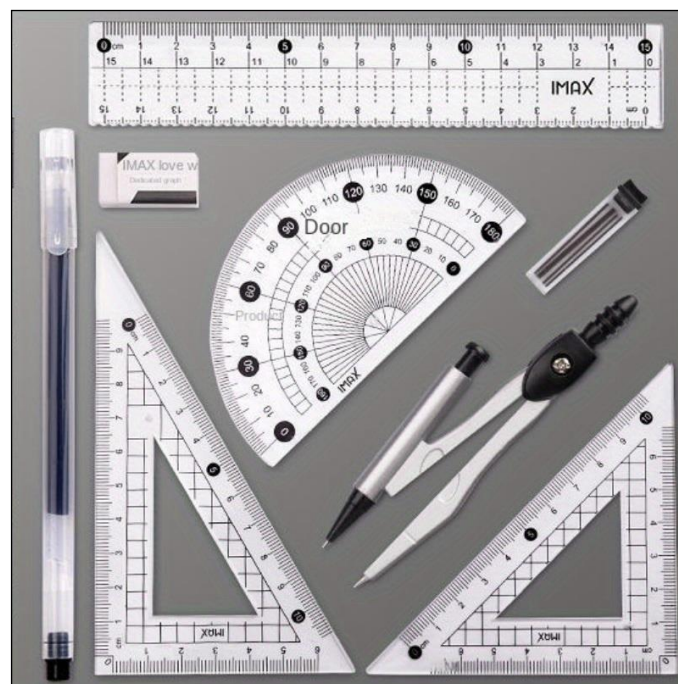


Practical Sessions (Equipment)

This practical and highly-interactive course includes various practical sessions and exercises. Practical sessions will be performed using the equipment in order to apply the theory learnt in the class



Navigational Chart



Instruments

Course Coordinator

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