

The logo for Seaforce Powerboats features the company name in a bold, sans-serif font, with 'SEAFØRCE' on the top line and 'POWERBOATS' on the bottom line. The text is centered within a stylized white graphic that resembles a boat's hull or a speed wake, tapering to a point on the right side.

SEAFØRCE
POWERBOATS

RYA Yachtmaster (Theory)

Syllabus

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RYA Yachtmaster (Theory)

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Aim

This advanced classroom based course in navigation and meteorology, is really aimed at the more experienced boat users, both in the leisure world and the commercial field.

Course Duration

6 - 7 days

Minimum Age

17 years

What's Included

- Student pack including charts, course books and use of navigation plotting tools
- Modern airy, naturally well lit classrooms, conducive to learning and plenty room to move
- Knowledgeable and approachable instructors that specialise in advanced navigation and use of modern electronic navigation aids
- Drinks and refreshments served through the day.

Prior Knowledge and Experience

Navigational knowledge to Day Skipper/ Watch leader syllabus

Skills Gained

As a leisure or commercial user, your navigational abilities and confidence will enable you to undertake long passages perhaps over many days and nights. Vessels can range from those included in the National Powerboat Scheme and the Motor Cruising Scheme where crew and passengers live aboard and a wide range of commercial passenger vessels, workboats and other vessels.

Opportunities After The Course

The ability to go forward with sufficient sea time and miles for an examination to obtain an MCA commercial license valid for use on many types of passenger carrying and other commercial vessels operating under MCA codes of practise to work in the marine industry. The Yachtmaster Practical (contact for more info) certificate can be converted into an International Certificate of Competence (ICC). The ability with necessary sea time and miles to enter for a MCA Large Yacht qualification such as Officer of the Watch or Master 300.

Suggested Courses

Sea Survival
SRC (VHF) radio operator course
First Aid
PW Jet Ski
PPR
Yachtmaster Ocean

Course Content

Position

- Dead reckoning and estimated position
- Satellite-derived position
- Use of waypoints to fix position
- Radar fixes
- Techniques of visual fixing
- Fixes using a mixture of position lines
- Relative accuracy of different methods of position fixing
- Areas of uncertainty

The Magnetic Compass

- Allowance for variation
- Change of variation with time and position
- Causes of deviation
- Compass checks for deviation, but not correction
- Allowance for deviation
- Different types of compass

Tides

- Causes of tides – springs and neaps
- Tide tables – sources
- Tidal levels and datum
- Standard and secondary ports
- Tidal anomalies (Solent, etc)
- Tidal streams
- Sources of tidal information
- Tidal stream information in sailing directions and yachtsmen's almanacs
- Allowance for tidal streams in computing a course to steer
- Tide rips, overfalls and races
- Tidal observation buoys, beacons etc

Buoyage

- IALA system buoyage in Regions A and B
- Limitations of buoys as navigational aids

Lights

- Characteristics
- Ranges – visual, luminous and nominal
- Rising and dipping distances
- Light lists

Pilotage

- Harbour regulations and control signals
- Methods of pre-planning
- Clearing lines
- Use of soundings
- Transits and leading lines

GNSS and Chart Plotters

- Principles of operation and limitations of use
- Raster and vector charts
- Datum
- The importance of secondary means of position fixing via A an independent source and keeping a separate record of position
- The importance of paper charts

Echo Sounders

- Principles of operation and limitations of use

Logs (Speed and Distance Measuring)

- Principles of operation and limitations of use

Deck Log

- The importance of log as yacht's official document
- Layout of log, hourly and occasional entries

Meteorology

- Basic terms, the Beaufort scale
- Air masses
- Cloud types
- Weather patterns associated with pressure and frontal systems
- Sources of weather forecasts
- Ability to interpret a shipping forecast,
- Weatherfax
- Weather satellite information
- Land and sea breezes
- Sea fog
- Use of a barometer as a forecasting aid

Rules of the Road (IRPCS)

- A sound knowledge of the International Regulations for Preventing Collisions at Sea

Safety At Sea

- Personal safety, use of lifejackets, safety harnesses and lifelines
- Fire prevention and fire fighting
- Distress signals
- RYA SafeTrax system
- Preparation for heavy weather
- Liferrafts and helicopter rescue
- Understanding of capabilities of vessel
- Basic knowledge of buoyancy and stability
- Navigation in Restricted Visibility
- Precautions to be taken in fog
- Limitations to safe navigation imposed by fog
- Navigation strategy in poor visibility

Passage Planning

- Preparation of charts and notebook for route planning and for use on passage at sea
- Customs regulations as they apply to yachts
- Routine for navigating in coastal waters
- Strategy for course laying
- Use of and visual confirmation of waypoints and routes
- Use of weather forecast information for passage planning strategy
- Sources of local and national regulations

Marine Environment

- The responsibility to minimise pollution and protect the marine environment

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**Like what you see?
Get booked.**

(Last minute booking? Or need flexible dates? Get in touch)

www.seaforcepowerboats.co.uk

Gotta Question?

(We should have the answer on our FAQs page)

[FAQs](#)

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