



Yachtmaster Coastal Shorebased Course

Cruising Scheme

Get wet, Get on the water!

Objective	The ISA Yachtmaster Coastal Shorebased course develops a recreational sailor's ability to skipper a sailing or motor yacht on coastal passages during daylight and at night.
Previous knowledge / experience	For the Yachtmaster Coastal Sea-based Course attendance Cert. (Sail) it will be assumed that you will have mastered the skills and knowledge covered in The ISA Day Skipper (Sail) course.
Duration	45 hours contact time
Assessment	Certification Students may receive certification when; ⇒ They have attended at least 80% of the course. ⇒ They have completed all of the assessment papers to a standard acceptable to the instructor. ⇒ They have demonstrated an understanding of the principals taught during the course. Shorebased course certificates are course attendance certificates and can only be awarded following successful course completion. Shorebased course completion certificates cannot therefore be issued solely on the basis of assessments completed without course attendance.
	<i>By the end of this course you will be able to do the following:</i>
Navigational drawing instruments	Plotting instruments
Charts and nautical publications	⇒ British Admiralty and small craft charts ⇒ Information shown on charts, chart symbols and corrections ⇒ Latitude and longitude ⇒ Distance, speed and direction

Where can you go to do this course?

This course can only be run by an ISA Training Centre. All ISA Training Centres have all gone through a rigorous accreditation process to ensure that they provide high quality training in a safe environment. With Training Centres based in every corner of Ireland there are plenty to choose from for training close to home or while on holiday.

To find a full list of ISA Training Centres & Courses in your area go to www.sailing.ie/training

To purchase a Small Boat Sailing Scheme Logbook please logon to the ISA shop www.sailing.ie/shop



Training
Centre

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Visual aids to navigation	IALA A buoyage Light characteristics
The magnetic compass	True bearings and courses Variation, deviation Hand bearing compass Compass check for deviation
Position fixing	Position lines Sources of visual and electronic position lines Position fixing techniques using visual and electronic position lines Position fix from GPS
Dead Reckoning and Estimated Positions	Ship's log book Working up a DR position Working up an EP with allowance for set and leeway
Tides and tidal heights	Causes of tides Tidal definitions Tide tables, standard ports, awareness of secondary ports Use of British Admiralty tidal curves for tidal height calculations

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Tidal streams	Use of tidal diamonds Use of tidal stream atlases Other sources of tidal stream information
Course to Steer	Method of plotting a course to steer to counteract a tidal stream Plotting a single course to steer Plotting a course to steer with allowance for the effect of leeway
Anchors and anchor work	Characteristics of different types of anchors Considerations to be taken into account when anchoring
International Regulations for Preventing Collisions at Sea	General rules and definitions Traffic Separation Schemes Steering and Sailing Rules Day shapes, sound signals and light recognition
Weather	The Beaufort scale Air masses, fronts and cloud types Low and high pressure weather systems Land breezes, sea breezes and fog Forecast sources and terminology Basic synoptic chart interpretation

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Electronic navigation equipment	Capabilities and limitations of GPS, dGPS, EGNOS Waypoint navigation, use of cross track error Significance of horizontal chart datums Distance logs, depth sounders and radar Electronic charts and chart plotters
Safety	Safety equipment to be carried, its stowage and use Use of personal safety equipment; lifejacket and harness Fire precautions and gas safety procedures; safety in the galley VHF distress procedures; use of EPIRBs and pyrotechnics Action to take in the event of stranding
Pilotage	Pilot books, cruising guides and almanacs Use of transits, leading lines, clearing lines and waypoints Planning and preparation of pilotage plan
Passage planning	Preparation of a passage plan for a short coastal passage SOLAS V passage plan requirements

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