

## **TEMARIO DEL CURSO TEORICO DEL YM COASTAL Y OFFSHORE.**

Para presentarse al curso práctico y examen, tanto de Yachtmaster Coastal y Yachtmaster Offshore, no es necesario haber realizado previamente el curso teórico. De todas maneras Yacht Point recomienda realizarlo en caso de no tener ningún curso teórico previo, y en caso de haber realizado uno, repasar el temario del curso teórico que se detalla a continuación.

El temario aparece publicado en el RYA's Sail Cruising Logbook (G15).

### **1. 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.

### **2. THE MAGNETIC COMPASS**

- Allowance for Variation.
- Change of Variation with time and position.
- Causes of Deviation.
- Swing for deviation (but not correction).
- Allowance for Deviation.
- Different types of compass.

### **3. TIDES**

- Causes of tides: Springs and Neaps.
- Tide Tables: sources.
- Tidal levels and Datum.
- Standard and secondary ports.
- Tidal anomalies.

### **4. TIDAL STREAMS**

- Sources of tidal information.
- Tidal stream information in Sailing Directions and Yachtmaster Almanacs.
- Allowance for tidal stream in computing a course to steer.
- Tidal rips, overfalls and races.
- Tidal observation buoys, beacons etc.

## 5. BUOYAGE

- IALA system buoyage.
- Limitation of buoys as navigational aids.

## 6. LIGHTS

- Characteristics.
- Ranges: visual, luminous and nominal.
- Rising and dipping distances.
- Lights lists.

## 7. PILOTAGE

- Harbor regulation and control signals.
- Methods of pre-planning.
- Clearing bearings.
- Use of soundings.
- Transits and leading lines.

## 8. GPS AND CHART PLOTTERS

- Principles of operation and limitation of use.
- Raster and Vector charts.
- Datum.
- Importance of confirmation of position by an independent source and keeping a separate record of position.
- Importance of paper charts.

## 9. ECHO SOUNDERS

- Principles of operation and limitation of use.

## 10. LOGS

- Principles of operation and limitations of use.

## 11. DECK LOG

- Importance of Log's as yacht's official document.
- Layout of Log, hourly and occasional entries.

## **12. METEOROLOGY**

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

## **13. RULE OF THE ROAD**

- A sound knowledge of the International Regulation For Preventing Collisions At Sea.

## **14. SAFETY AT SEA**

- Personal safety, use of lifejackets, safety harnesses and lifelines.
- Fire prevention and fire fighting.
- Distress signals.
- Coastguard and Boat Safety Scheme.
- Preparation for heavy weather.
- Liferafts and helicopter rescue.
- Understanding of capabilities of vessel and basic knowledge of stability.

## **15. NAVIGATION IN RESTRICTED VISIBILITY**

- Precautions to be taken in fog.
- Limitations to safe navigation imposed by fog.
- Navigation strategy in poor visibility.

## **16. PASSAGE PLANNING**

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

## **17. MARINE ENVIRONMENT**

- Responsibility to minimise pollution and protect the marine environment.



Durante el examen, el examinador podrá preguntar al candidato sobre cualquiera de los puntos de los diferentes apartados del temario teórico.

Lecturas recomendadas:

- RYA Navigation Handbook  
Item Author: Tim Bartlett  
Publisher: RYA  
Format: Paperback  
Pages: 176  
Dimensions: 245 x 170mm  
Edition: 2005 (reprinted: 2012)  
ISBN: 9780901501936  
Product Code: G6
- RYA Navigation Exercises - 2nd Edition  
Item Author: Chris Slade  
Publisher: RYA  
Format: Paperback  
Pages: 200  
Dimensions: 297 x 210mm  
Edition: 2008 (reprinted: 2012)  
ISBN: 9781905104185  
Product Code: G7

Ambos se pueden comprar en la misma página de la RYA