

OBJECTIVES

To give members, with little or no experience in chartwork or navigation, theoretical instruction in the use of charts and navigational aids.

REQUIREMENTS

Current SAA Membership.
RYA Day Skipper Book.

N.B. No diving qualification needed.

QUALIFICATION AWARDED

Qualification book certificate.

SYLLABUS

- 1 Introduction to Charts
- 2 Tides
- 3 Navigational marks
- 4 Navigational Instruments
- 5 Latitude and Longitude
- 6 Compass
- 7 Laying a course
- 8 Position fixing
- 9 Weather
- 10 Theory Examination

All candidates must receive from the Course Co-ordinator at the start of the course, a current SAA Chartwork & Navigation book. Payment for the book will be included in the course fee.

GUIDELINES FOR INSTRUCTORS**1. Introduction to Charts 65 mins**

Chart information and features :-
Chart Datum
Magnetic Variation and Compass Rose
Chart 5001

2. Latitude and Longitude 70 mins

Prime Meridian
Meanings of Latitude and Longitude
Projection

3. Navigational Instruments 20 mins

Parallel Rules
Plotters/protractors
Dividers/pencils/erasures/magnifying glass

4. Navigation Marks 45 mins

IALA Buoyage
Lateral Buoys
Cardinal Buoys
Isolated Danger Marks
Safe Water Marks
Special Marks
Collision Regulations

5. Compass 45 mins

Types, Fixed and Hand Bearing
Variation and Deviation
Errors and Corrections

6. Tides 45 mins

Causes :-
Sun and Moon
Springs and Neaps
Slack Water
Standard Ports
Secondary Ports
Rule of Twelfths

7. Laying a Course (Charts required)	120 mins
Tidal Set and Drift Water Track Ground Track Effect of Wind at slow speed	
8. Position Fixing	120 mins
Transits Compass Bearing Estimated Position	
9. Weather Information	30 mins
Sources of information Radio Teletex Local Sources	
10. Theory Exam	30 mins
Give results	
11. End of Course Discussion	10 mins