

**-SQA-SCOTTISH QUALIFICATIONS AUTHORITY**

**Hanover House  
24 Douglas Street  
GLASGOW G2 7NG**

**NATIONAL CERTIFICATE MODULE DESCRIPTOR**

**-Module Number- 0068613 -Session-1986-87**

**-Superclass- ZF**

**-Title- CHARTWORK 1 (x 1/2)**

**-DESCRIPTION-**

Type and Purpose A general module (1/2) which enables the student to acquire a knowledge of chartwork sufficient to plot a position and to lay off a safe course to a specified position.

Preferred Entry Level None.

Learning Outcomes The student should:

1. know different types of chart;
2. know and use basic symbols, terms, abbreviations and publications associated with chartwork;
3. use navigational drawing instruments;
4. plot readings onto a chart;
5. lay off a safe course;
6. calculate compass or gyro course to steer given true course or vice versa.

Content/ Context Corresponding to the Learning Outcomes:

1. Admiralty, Omega, Loran, Decca (plus appropriate yachtsmen's charts).
- 2 (a) Symbols and abbreviations: buoys, lights, radio beacons, navigational aids, depths and height contours, tidal streams, traffic lanes and separation zones, recognition of the coast

and radar responsive targets, chart correction, depth and nature of bottom.

- (b) Publications: Sailing directions, Tidal Atlases, tide tables, light lists, Annual and Weekly Notices to Mariners, (Quarterly Small Boat Edition for yachtsmen), Chart 5011. Admiralty List of Radio Signals Vol 2, (Appropriate Almanacs for Yachtsmen).
3. Parallel rulers, dividers, compasses, station pointer and other proprietary instruments.
  4. Plotting of a point from a variety of ranges and bearings and use of latitude and longitude.
  5. Use of compass rose, measuring of distance on chart, recognition of potential dangers.
  6. Application of variation and deviation to true course to find compass course to steer or vice versa. Application to gyro error (high and low) to obtain true course or vice versa.

Suggested Learning and Teaching Approaches

As far as possible, practical methods should be used, with students being exposed to charts and equipment at as early a stage as possible.

Group investigations and projects would be useful techniques to employ in this module.

The importance of safety and accuracy should be emphasised throughout.

Assessment Procedures

A checklist should be used for formative assessment of learning outcomes 1 - 6 inclusive. The student should be kept informed of progress throughout and remedial tuition should be provided in a suitable form when appropriate. Learning outcomes 1-6 inclusive should be summatively assessed by the following checklist. A tick or cross should be used to record satisfactory/ unsatisfactory performance. Satisfactory performance in all items of the checklist on three successive occasions should be considered as adequate evidence that the student has achieved the learning outcomes.

Checklist

The student correctly:

1. selects appropriate chart;
2. states type of chart;

3. recognises symbols on the chart;

4. selects appropriate navigational drawing instruments;
5. selects appropriate publications as information sources;
6. obtains required information from publications;
7. plots a set of readings onto a chart;
8. calculates compass course to steer;
9. measures distance on a chart;
10. marks off course on a chart;
11. lays off a safe course.