

-SQA-SCOTTISH QUALIFICATIONS AUTHORITY

**Hanover House
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NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number- 0064773 -Session-1986-87

-Superclass- XQ

-Title- SHIP SERVICE REQUIREMENTS (x 1/2)

-DESCRIPTION-

Type and Purpose A specialist module (1/2) which enables the student to acquire a knowledge of the factors relating to trials and maintenance of ships.

Preferred Entry Level 04775 Introduction to Shipbuilding (1/2).

Learning Outcomes The student should:

1. know the main tests and trials carried out before delivery;
2. know docking procedures and their relationship with ship maintenance;
3. know appropriate methods for the control of marine corrosion and deterioration;
4. know the types of ship survey and the responsibilities of surveyors.

Content/Context Corresponding to the Learning Outcomes:

1. tests for watertight bulkheads, compartments and tanks, systems, deck machinery, compass, anchor and cable and steering.

Sequencing of tests during fitting out and during sea trials.
2. layout of dry dock, synchro-lift, floating dock and slipways. Work areas; services; dry docking procedures; reasons for dry docking; voyage and storm repairs; planning and management of repair work.

3. marine corrosion/deterioration: preparation of materials; types of paint; coatings and treatments; areas of use.
4. types of survey: annual; special classification rules; responsibilities of Department of Transport and Lloyds Register surveyors.

Suggested
Learning and
Teaching
Approaches

The learning outcomes should be experienced in an environment appropriate to the module activities.

Film, loops and slides should be used to reinforce the learning outcomes.

Current technologically based practices should be stressed.

Students should be encouraged to discuss procedures, practices and problems experienced within their work environment.

Terminology should be presented in context. Students should have ready access to up-to-date regulations, technical publications and specifications.

Assessment
Procedures

All learning outcomes must be validly assessed.

The student must be informed of the tasks which contribute to summative assessment. Any unsatisfactory aspects of performance should, if possible, be discussed with the student as and when they arise.

Acceptable performance in the module will be satisfactory achievement of the performance criteria specified for each learning outcome.

The following abbreviations are used below:

LO Learning Outcome.

IA Instrument of Assessment

PC Performance Criteria

LO1 IA Short answer exercise(s) (written or oral).

PC The student lists, in a logical order, the main tests and trials carried out before the delivery of a ship.

LO2 IA Written/graphics exercise(s).

- PC The student effectively describes the layout and function of docking, work and services areas and relates them to ship repair or maintenance.

- LO3 IA Short answer exercises (written or oral).

- PC The student specifies methods of control of marine corrosion and deterioration appropriate to given situations.

- LO4 IA Short answer exercises (written or oral).

- PC The student correctly describes types of ship survey and states the responsibilities of surveyors.