

-SQA-SCOTTISH QUALIFICATIONS AUTHORITY

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

NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number- 0064820 -Session-1986-87

-Superclass- XQ

-Title- SHIPBUILDING DRAWING 1

-DESCRIPTION-

Type and Purpose A specialist module which enables the student to acquire a basic knowledge of shipbuilding drawing techniques.

Preferred Entry Level 04806 Graphical Communication (1/2).

Learning Outcomes The student should:

1. know the common terms used on shipbuilding drawings;
2. construct a part lines plan;
3. add detail to drawings of structural components.

Content/ Context Corresponding to the Learning Outcomes:

1. explanation and use of the following: baseline, amidships, fore and aft centreline, L.O.W., fore and aft perpendiculars, L.B.P., L.O.A., sheer, freeboard, moulded and extreme dimensions, camber, rise of floor, half siding, bilge radius.
2. use of tables of offsets; curve fairing; lines plan conventional layout; use of bow and buttock lines.
3. design and constructional features of the following: double bottoms, bulkheads, shell panels, deck panels, midship sections.

Suggested Learning and Teaching Approaches	<p>The module activities should take place in an environment appropriate to the learning outcomes.</p> <p>The need to work logically and in an orderly manner should be emphasised.</p> <p>Students should have ready access to up-to-date sources of information.</p> <p>Units and terminology should be presented in context throughout the module.</p> <p>Realistic industrial applications should be used to reinforce the principles covered in the module.</p> <p>Effective current practice should be emphasised.</p>
Assessment Procedures	<p>All learning outcomes must be validly assessed.</p> <p>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.</p> <p>Acceptable performance in the module will be satisfactory achievement of the performance criteria specified for each learning outcome.</p> <p>The following abbreviations are used below:</p> <p>LO Learning Outcome IA Instrument of Assessment PC Performance Criteria</p> <p>LO1 IA Written/graphics exercise(s).</p> <p style="padding-left: 40px;">PC The student satisfactorily interprets and uses the abbreviations and terminology listed in the Content/Context.</p> <p>LO2 IA Graphics exercise(s).</p> <p style="padding-left: 40px;">PC From appropriate information, the student constructs a part lines plan to an acceptable standard and in a reasonable time.</p> <p>LO3 IA Incomplete worksheets.</p> <p style="padding-left: 40px;">PC The student adds appropriate additional detail to a range of prepared worksheets which include the features listed in the Content/Context.</p>