

-SQA-SCOTTISH QUALIFICATIONS AUTHORITY

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

NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number-	0065616	-Session-1986-87
-Superclass-	WK	

-Title-	FURNITURE CONSTRUCTION: TRADITIONAL(x 2)
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-DESCRIPTION-

Type and Purpose furniture.	A <u>specialist</u> module (2) which introduces the student to the construction of hand made furniture.
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Preferred Entry Level	05301 Workshop Practice 05307 Power Tools 05401 Furniture Drawing 1 05609 Basic Veneering Techniques and Processes 05610 Carcase and Frame Construction By Machine 05612 Timber and Timber Derivatives 05615 Furniture Fittings and Ironmongery
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Learning Outcomes	The student should: <ol style="list-style-type: none">1. prepare working drawings, workshop rods, and cutting lists;2. know common methods of construction;3. know simple mechanical movements for traditional furniture;4. select materials and fittings suitable for traditional furniture construction;5. construct an article of furniture;6. comply with regulations and procedures and use safe working practices specified for equipment and work areas.
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Content/ Context	<p>Corresponding to the Learning Outcomes:</p> <ol style="list-style-type: none"> 1. prepare working drawings to produce a piece of furniture from prepared sketches. Prepare a full size rod from drawings, prepare cutting list from rod. 2. knowledge of common joints, jointing methods, decorative features and methods of construction: <ol style="list-style-type: none"> (a) dowel, M&T, dovetail, housing, T&G, loose tongue mitre, butt, slot screw; (b) stiles, rails, frames, legs, haffits, shelves, tops, drawers, guides etc. 3. sketch and describe movements e.g. tambours, drop-leaf tables revolving-hinged leaf tables, draw-leaf tables, fall fronts; glazed doors, mirror frames. 4. select solid timber and veneer for given situations eg. prestigious office doors, chairmans desk, panelling board room etc. selection of correct fittings in given situations; selection of appropriate fittings. 5. student to produce an article(s) using hand and machined joints from drawings and rod which will include one or two of the following: <ol style="list-style-type: none"> (a) hand-made drawer; (b) hand laid veneers (from decorative veneering modules); (c) hinged door or flap; (d) cutting in of locks and hinges. <p style="margin-left: 20px;">The student should select appropriate adhesives and clean off prior to polishing.</p> 6. safety precautions and regulations relevant to tools, equipment, behaviour and work.
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Suggested
Learning
and
Teaching
Approaches

This module could be taught as part of a major project which could be used for assessment.

It is envisaged that the general teaching approaches will be activity/workshop based and student centred.

The learning programme should interest the student and relate to a theme or vocational bias.

Critical skills and techniques should be demonstrated prior to student involvement.

Posters, information sheets, worksheets, workfiles, slides, films and video may be used to enhance the learning environment and process.

A set of completed exercises should be available for students to work to and compare standards.

Safety, safe working practices, care and use of equipment should be an integral part of all module activities.

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

LO2

IA Short answer questions/graphical exercises.

PC The student should:

- (a) sketch four common joints;
- (b) where required give accepted proportions for joints;
- (c) recognise frame and carcass construction and methods of fixing one to the other;
- (d) name five major components of cabinet furniture and chairs.

LO3

IA Short answer questions/graphical exercise.

PC The student should:

- (a) name and describe various movements for traditional furniture;
- (b) sketch the basic movements given in Content/Context.

- LO4
- IA Short answer questions.
- PC The student should:
- (a) name and select six solid timbers for a given situation;
 - (b) give correct average moisture content for solid timber used in four different situations;
 - (c) name and select five fittings for given situations.
- LO1,4
& 5
- Project/practical exercises.
- PC The student should construct an item of furniture for which:
- (a) selects and uses drawing instruments;
 - (b) reads and complies with scaled drawings;
 - (c) produces a full size drawing and rod including sections and revolved sections as required;
 - (d) produces a cutting list;
 - (e) selects appropriate materials and fittings;
 - (f) selects and uses appropriate adhesives;
 - (g) cleans off all surplus glue;
 - (h) sands down all surfaces;
 - (i) removes all scrapes or machine marks;
 - (j) deals with faults using stopper or similar;
 - (k) the functional dimensions are within specified tolerances;
 - (l) quality is comparable with an agreed exemplar.
- LO6
- IA Observation checklist used in conjunction with practical work in other Learning Outcomes.
- PC The student should:
- (a) wear all necessary safety clothing and equipment;
 - (b) behave in a manner appropriate to the working environment;
 - (c) use tools and equipment safely.