

-SQA-SCOTTISH QUALIFICATIONS AUTHORITY

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

NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number- 0065617 -Session-1986-87
-Superclass- WK

-Title- FURNITURE: PREPARATION OF SURFACES

-DESCRIPTION-

Type and Purpose A specialist module which enables the student to acquire and develop knowledge and skills associated with the preparation of surfaces prior to finishing.

Preferred Entry Level 05301 Workshop Practice
05612 Timber and Timber Derivatives

Learning Outcomes The student should:

1. recognise timbers and metals;
2. know the reasons for preparing surfaces;
3. select and apply preparatory techniques on a range of surfaces;
4. repair minor defects;
5. comply regulations and procedures and safe working practices specified for equipment and work.

Content/Context Corresponding to the Learning Outcomes:

1. recognition of:
 - (a) timbers including: red pine, mahogany, teak, walnut, beech and oak;
 - (b) metals including: steel, copper, aluminium, brass, iron, dural.
2. reasons for preparing surfaces; methods, tools, materials and equipment used to accept coating or finishing, correct sequence.

3. (a) selection, comparison and application of materials, processes; mechanical and chemical methods; use of solvents, vapour degreasing, pickling, correct sequence;
- (b) bleaching and fuming, use of acids and alkali to change wood colourings; effects of chemicals on the colouring of timber, correct sequence.
4. repairing options: filling and steaming out wood, together with filling metal.
5. safety precautions and regulations relevant to tools, equipment, behavioural work.

Suggested Learning and Teaching Approaches

It is envisaged that the general teaching approach 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 student to work to and compare standards.

Safety, safe working practices, care and use of equipment should be an integral part of all module activities. Lecturers should stress the importance of reading and complying with manufacturers instructions in relation to proprietary chemical products. Special care should be with regard to acids, alkali, toxic, irritant and flammable vapours.

Assessment Procedures

All Learning Outcomes must be validly assessed.

The student must be informed to 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	Identification test.
	PC	The student should recognise 4 hardwoods and 2 softwoods and 3 metals.
LO2	IA	Short answer questions.
	PC	The student should state 3 reasons for, and describe 1 method of, preparing surfaces.
LO3	IA	Practical exercises.
	PC	The student should: (a) select and apply one abrasive, one solvent and one vapour degreasing; (b) select and apply one bleach, one fuming method, one acid and one alkali to change wood colouring.
LO4	IA	Practical exercises.
	PC	The student should steam out a bruise and fill an indentation;
LO5	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.