

Higher National Unit Specification

General information for centres

Unit title: Furniture: Veneering

Unit code: F0XV 35

Unit purpose: This Unit is designed to develop the candidate's skills and knowledge in a range of techniques associated with the fine decorative processes of veneering.

On completion of the Unit the candidate should be able to:

- 1 Detail the storage requirements and treatment of veneers.
- 2 Describe the use of specialist tools and equipment.
- 3 Select and demonstrate suitable methods to produce and lay veneer decoration.

Credit points and level: 1 HN Credit at SCQF level 8: (8 SCQF credit points at SCQF level 8*)

**SCQF credit points are used to allocate credit to qualifications in the Scottish Credit and Qualifications Framework (SCQF). Each qualification in the Framework is allocated a number of SCQF credit points at an SCQF level. There are 12 SCQF levels, ranging from Access 1 to Doctorates.*

Recommended prior knowledge and skills: Access to this Unit is at the discretion of the centre. It would be beneficial if candidates had knowledge of veneers. This could be evidenced by the possession of the HN Unit *Decorative Veneering and Inlaying*. In addition, it would be advantageous for candidates to have studied HN Furniture Units at SCQF level 6 and 7, equivalent qualifications, or relevant work experience.

Core Skills: There are opportunities to develop the Core Skills of Communication, Problem Solving and IT at SCQF level 5 in this Unit, although there is no automatic certification of Core Skills or Core Skills components.

Context for delivery: If this Unit is delivered as part of a Group Award, it is recommended that it should be taught and assessed within the subject area of the Group Award to which it contributes.

Assessment: Outcome 1 is a practical assessment. Candidates are asked to produce two panels that demonstrate the techniques of producing and laying decorative veneers.

Outcomes 2 and 3 could be assessed by a single instrument of assessment that requires candidates to respond to a case study. Alternatively, these Outcomes could be assessed separately.

Higher National Unit specification: statement of standards

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The sections of the Unit stating the Outcomes, knowledge and/or skills, and Evidence Requirements are mandatory.

Where evidence for Outcomes is assessed on a sample basis, the whole of the content listed in the knowledge and/or skills section must be taught and available for assessment. Candidates should not know in advance the items on which they will be assessed and different items should be sampled on each assessment occasion.

Outcome 1

Detail the storage requirements and treatment of veneers

Knowledge and/or skills

- ◆ Material properties
- ◆ Plasticisers
- ◆ Health and safety
- ◆ Legislation
- ◆ Methods and conditions of storage
- ◆ Handling techniques

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and skills by showing that they can describe the storage requirements and treatments of three different specialist veneers. The evidence for each veneer should include:

- ◆ recommended storage conditions
- ◆ health and safety considerations
- ◆ recognition of the properties of the materials to be stored
- ◆ formula and function of plasticisers
- ◆ evidence of treatment techniques recommended
- ◆ schedule of pre-production information

Assessment guidelines

The candidate could be asked to respond to short answer questions or one complex case study or a case study with three separate parts.

Case studies could include information which may be assessed in Outcome 2.

Higher National Unit specification: statement of standards (cont)

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Outcome 2

Describe the use of specialist tools and equipment

Knowledge and/or skills

- ◆ Tools
- ◆ Presses
- ◆ Veneering equipment
- ◆ Health and safety

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and skills by showing that they can accurately describe the potential and operation of at least four specialist tools and three specialist pieces of equipment used in veneering. Each description should outline the use of the tool, its place in the process of veneering and health and safety implications.

Assessment guidelines

Candidates could be given a case study which requires them to identify and describe four specialist tools and three specialist pieces of equipment which could be used to undertake the veneering tasks outlined. This case study could include information which may be used to assess Outcome 1.

Outcome 3

Select and demonstrate suitable methods to produce and lay veneer decoration

Knowledge and/or skills

- ◆ Types of veneer
- ◆ Methods of cutting
- ◆ Specialist veneer tooling and equipment
- ◆ Methods of jointing
- ◆ Health and safety
- ◆ Materials
- ◆ Adhesives

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and skills by showing that they can, with reference to a given brief, produce one fretsawn and one knife cut panel to a generated manufacturing schedule specification.

Higher National Unit specification: statement of standards (cont)

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Each panel should be accurately cut using appropriate cutting techniques and specialist equipment. Methods of jointing should meet the needs of the given brief. Each panel should be finished and the veneer should be laid to ensure matching of grain, smooth finishes and an agreed tolerance. The panel should be accompanied by an Observation Schedule and a specification should be developed to match the given brief. Any faults should be identified and rectified in a way which does not affect the appearance of the finished panel. The candidate would need to comply with current Health and Safety Legislation which would be indicated on observation checklist.

Assessment guidelines

Candidates could be provided with a given brief and asked to provide a specification which should accurately detail the processes involved. The candidate could then produce two veneered decorative panels to the standard detailed above. Candidate work should be observed and recorded in an Observation Schedule.

Administrative Information

Unit code: F0XV 35
Unit title: Furniture: Veneering
Superclass category: JP
Original date of publication: November 2006
Version: 01

History of Changes:

Version	Description of change	Date

Source: SQA

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Higher National Unit specification: support notes

Unit title: Furniture: Veneering

This part of the Unit specification is offered as guidance. The support notes are not mandatory.

While the exact time allocated to this Unit is at the discretion of the centre, the notional design length is 40 hours.

Guidance on the content and context for this Unit

This Unit is intended to enable candidates to build on their knowledge and skills of veneering. It is an optional Unit for the award HND Furniture.

Outcome 1

Detailed information on the storage requirements and treatments of veneers could be researched by candidates using internet facilities, catalogues and other sources.

Plasticisers in veneering are used to keep the veneer malleable or to reflaten especially used with highly interlocked grain veneers. They are used in the storage process to keep veneers in good condition and allow for cutting but do not affect the structure of the materials.

The use and recipes for plasticisers used in storage of veneers should be discussed fully. The requirements of storage should include humidity, pressure and light ingress.

Candidates should be encouraged to add to their skills by undertaking small formative projects before undertaking the assessment.

Outcome 2

Specialist tools and equipment which should be looked at in this Outcome should include:

- ◆ Veneer hammer
- ◆ Veneer saw
- ◆ Fret Saw
- ◆ Scalpel
- ◆ Scraper
- ◆ Bone rubber
- ◆ Metal straight edge
- ◆ Veneer Donkey
- ◆ Platen press
- ◆ Vacuum press
- ◆ Glue spreader
- ◆ Cauls
- ◆ Sandbags
- ◆ Improvised presses

Higher National Unit specification: support notes (cont)

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Outcome 3

When teaching this Outcome the candidate should produce a range of decorative panels using marquetry, parquetry and inlay. A range of materials such as timber, mother of pearl, Tortoiseshell, bone, ivory and semi precious stones as well as modern substitutes could be used.

Guidance on the delivery and assessment of this Unit

Candidates should be tested where possible in a holistic way. This could be done by assessing Outcomes 1 and 2 together in a complex case study which would require candidates to identify the tools and equipment required for specific veneers and develop this further by exploring the storage, care and treatment of veneers. Outcome 3 is a practical Outcome which requires the candidate to demonstrate their use of veneers and veneering techniques.

This Unit could be taught and assessed along with other practical Units based on the manufacture of a timber based item of furniture such as any of the project based Units eg Furniture: Project

Opportunities for developing Core Skills

The opportunities for development of Core Skills in IT where candidates would be encouraged to access the Internet for research purposes. In addition throughout the Unit candidates will be encouraged to and expected to word process their answers. Additionally candidates should be encouraged to used digitised images to illustrate points and explain eg storage techniques.

Problem Solving is incorporated where candidates are expected to identify appropriate techniques, tools and applications. Critical thinking is illustrated in the planning, development and evaluation of the project work to be carried out and additionally candidates will be expected to evaluate their work with a view to correcting any faults in the veneering done.

Communication skills are in evidence in all Outcomes. Candidates will be encouraged throughout to use technical language in a way which fits the needs of the industry and meets any client brief or case study.

Open learning

This Unit is not suitable for open learning as Outcomes are workshop based Units which have specific health and safety issues which could not easily be monitored or evidenced under open learning conditions

For further information and advice, please refer to the SQA guide *Assessment and Quality Assurance for Open and Distance Learning* **www.sqa.org.uk**.

Higher National Unit specification: support notes (cont)

Unit title: Furniture: Veneering

Candidates with disabilities and/or additional support needs

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments or considering alternative Outcomes for Units. For information on these, please refer to the SQA document *Guidance on Alternative Assessment Arrangements for Candidates with Disabilities and/or Additional Support Needs*, which is available on SQA's website: **www.sqa.org.uk**.

General information for candidates

Unit title: Furniture: Veneering

This Unit has been designed to develop your knowledge and skills in a range of techniques associated with the processes of veneering.

Outcome 1

This Outcome looks at the storage requirements and treatments of veneers. You will learn how to store and treat different kinds of veneers. You will be asked to find out about storing and treating veneers in your assessment. Some of this research is likely to be carried out on the internet.

Outcome 2

In this Outcome you will learn all about the special tools and specialist equipment used in veneering and you will get the chance to use a number of these tools later in the Unit. You will be assessed on your knowledge of the use of these tools and other equipment.

Outcome 3

In this Outcome you will develop skills in how to select and prepare surfaces and apply veneering techniques to these surfaces. These techniques will be applied to timber or timber-based products. You will be assessed on at least two of these techniques. This is a practical Outcome and it will take you some time to practise these techniques before you can work with veneers and produce a professional end product. In your assessment you will be asked to produce two panels.