

Higher National Unit Specification

General information for centres

Unit title: Furniture: Timber Restoration

Unit code: F0XS 35

Unit purpose: This Unit is designed to develop the candidate's skills and knowledge in a range of techniques commonly employed in the restoration of furniture made from timber.

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

- 1 Plan, evaluate and demonstrate frame repair and restoration techniques.
- 2 Plan, evaluate and demonstrate carcass repair and restoration techniques.
- 3 Plan, evaluate and demonstrate surface and fitting repair and restoration techniques.

Credit points and level: 2 HN Credits at SCQF level 8: (16 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 and skills in furniture materials and construction. This may be demonstrated by possession of HN Units in Furniture Materials and Construction at SCQF level 7, equivalent qualifications, or relevant work experience.

Core Skills: There are opportunities to develop the Core Skill of Problem Solving 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: Candidates will be asked to produce a production schedule for an agreed restoration task to framework and carcass furniture. Candidates will need to demonstrate the techniques, identified in a schedule, to repair or restore one carcass and one framework artefact. Candidates will also demonstrate one technique applied to a fitting repair and one technique applied to a timber surface repair. Each of the techniques will also be evaluated.

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

Plan, evaluate and demonstrate frame repair and restoration techniques

Knowledge and/or skills

- ◆ Frame restorative treatments
- ◆ Construction: joint repair; rigidity and reconstitution of structure
- ◆ Construction limitations and requirements
- ◆ Production plan: sequence of operations; materials list
- ◆ Material properties
- ◆ Current health and safety legislation
- ◆ Safe working practices

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and/or skills by describing and evaluating the process of repairing and restoring furniture frameworks. The evidence will include:

- ◆ a detailed production plan outlining the sequence of operations
- ◆ a materials list outlining all materials required and their properties
- ◆ an evaluation of the task with respect to the constructional limitations and requirements. This should include a note on the ethics of restoration, information on joint repair, rigidity requirements and reconstitution of structure.
- ◆ technical information as detailed
- ◆ visuals

Candidates will also need to demonstrate one method of joint repair and one method of structural restoration technique complying with current legislation and practices.

Assessment guidelines

The candidates could produce a portfolio which could include drawings/sketches of proposed methods of restoration, a production plan and two examples of frame restorative treatments.

Higher National Unit specification: statement of standards (cont)

Unit title: Furniture: Timber Restoration

Outcome 2

Plan, evaluate and demonstrate carcass repair and restoration techniques

Knowledge and/or skills

- ◆ Carcass restorative treatments
- ◆ Construction: joint repair; rigidity and reconstitution of structure
- ◆ Production plan: sequence of operations; materials list
- ◆ Material properties
- ◆ Constructional limitations and requirements
- ◆ Current health and safety legislation
- ◆ Safe working practices

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and/or skills by evaluating and demonstrating the process of repairing and restoring a furniture carcass. The evidence will include:

- ◆ a detailed production plan outlining the sequence of operations
- ◆ a materials list outlining all materials required and their properties
- ◆ an evaluation of the task with respect to the constructional limitations and requirements. This should include a note on the ethics of restoration, information on joint repair, rigidity requirements and reconstitution of structure.
- ◆ technical information as detailed
- ◆ visuals

Candidates will also need to demonstrate one method of component repair and one method of structural restoration technique complying with current legislation and practices.

Assessment guidelines

The candidates could produce a portfolio which may include drawings/sketches of proposed methods of restoration, a production plan and two examples of carcass restorative treatments.

Outcome 3

Plan, evaluate and demonstrate surface and fitting repair and restoration techniques

Knowledge and/or skills

- ◆ Production plan: sequence of operations; materials list
- ◆ Surface and fitment restorative treatments
- ◆ Construction: reconstitution of structure; materials; techniques; veneers
- ◆ Material properties
- ◆ Constructional limitations and requirements
- ◆ Current health and safety legislation
- ◆ Safe working practices

Higher National Unit specification: statement of standards (cont)

Unit title: Furniture: Timber Restoration

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and/or skills by evaluating and demonstrating the process of repairing and restoring a furniture fitment and timber surface. The evidence will include:

- ◆ a detailed production plan outlining the sequence of operations
- ◆ a materials list outlining all materials required and their properties
- ◆ an evaluation of the task with respect to the constructional limitations and requirements. This should include a note on the ethics of restoration, information on joint repair, rigidity requirements and reconstitution of structure.
- ◆ technical information as detailed
- ◆ visuals

Candidates will also need to demonstrate one method of component repair and one method of surface restoration technique complying with current legislation and practices.

Assessment guidelines

The candidates could produce a portfolio which may include drawings/sketches of proposed methods of restoration, a production plan and one example of surface and one example of fitment restorative treatments.

Administrative Information

Unit code: F0XS 35
Unit title: Furniture: Timber Restoration
Superclass category: JP
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History of Changes:

Version	Description of change	Date

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Higher National Unit specification: support notes

Unit title: Furniture: Timber Restoration

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 80 hours.

Guidance on the content and context for this Unit

This Unit is an Optional Unit within the HND Furniture Group Award. It is a practical workshop and classroom based Unit. It is intended for those candidates wishing to study furniture restoration and is part of a series of restoration Units. It is envisaged that no restoration work is undertaken without the application of the ethics of restoration being considered.

Outcome 1

The candidates should learn about different methods of repairing and restoring timber frameworks. The aspects of joint reconstitution and component repair as well as framework rigidity should be considered. The candidate should also learn about constructional and aesthetic limitations due to the ethics of restoration and consider fitness for purpose and the maintenance of heritage.

The candidate should work from sequential operation plans which highlight the materials being used as well as ensuring that safe working practices are applied and that all current legislations are complied with.

The candidate should produce examples of timber framework repair and restoration.

Outcome 2

Candidates should learn about different methods of repairing and restoring timber carcasses. The aspects of joint reconstitution and component repair as well as carcass rigidity should be considered. The candidate should learn about the methods employed to separate components and structures to allow for full reconstitution of the original structure whilst maintaining the patina and integrity of an antique.

The candidate should work from sequential operation plans which highlight the materials being used as well as ensuring that safe working practices are applied and that all current legislations are complied with.

The candidate should produce examples of timber carcass repair and restoration.

Outcome 3

Candidates should learn about different methods of repairing and restoring timber furniture surfaces and how to reconstitute areas around the attachment areas of common fittings such as locks, hinges and catches. The candidate should work from sequential operation plans which highlight the materials being used as well as ensuring that safe working practices are applied and that all current legislations are complied with.

Higher National Unit specification: support notes (cont)

Unit title: Furniture: Timber Restoration

The candidate should produce an example of timber furniture surface repair and restoration and an example of restoring an attachment area of a common fitment.

Guidance on the delivery and assessment of this Unit

Each Outcome should be assessed by the candidate producing a portfolio of practical methods which will include the reconstitution of joints, the improvement in rigidity of a framework, timber surface reconstitution, carcass rigidity and the improvement in action of moveable or articulated furniture and the repair or restoration of mechanical fittings, combined with references to materials, processes and ethics, of restoration. The candidate should experience a range of practical workshop activities that fully encompass the requirements of the Outcomes working on real artefacts or on generated samples to ensure that all the detail of the Outcomes are covered.

Reconstitution applies to repairing only. This would mean repair of one part of a frame, where as reconstruction could replace the whole frame.

Opportunities for developing Core Skills

Problem solving will be covered in all Outcomes where candidates are asked to identify the factors involved in the scenario, assess the relevance of these factors and develop an approach to deal with the given factors. This fits in well with the requirements of Problem solving at SCQF level 5.

Open learning

This Unit is not suitable for distance learning as a large proportion of the content is practical work that involves the use of electrical machine and power tools. This has health and safety implications which cannot be monitored from distance.

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

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: Higher National Unit specification: support notes

Unit title: Furniture: Timber Restoration

In this Unit you will learn about restoring timber. Before restoring any timber frame or carcass you will have to consider the treatments available and the level of repair, restoration or reconstitution you think is appropriate. You will also have to evaluate the current state of the frame or carcass before you start working with it. You will learn how to plan your restoration so that you sequence your actions and you will learn to identify and work out the quantities of all the materials you need to carry out the restoration.

You will develop skills in repairing frames and carcasses and you will also learn all about relevant health and safety requirements and the safe working practices which you should follow when you are in the workshop.