

Higher National Unit Specification

General information for centres

Unit title: Furniture Reproduction

Unit code: FOXM 35

Unit purpose: This Unit is designed to enable candidates to understand and plan the processes required to allow the reproduction of an item of timber based furniture.

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

- 1 Research and analyse an item of timber based furniture for reproduction.
- 2 Produce a manufacturing schedule.
- 3 Manufacture an item of timber based furniture.

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 is at the discretion of the centre. It is recommended that candidates have prior knowledge of furniture related topics. This could be evidenced by possession of HN Units such as: Furniture: Materials, Furniture History, Furniture: Construction, equivalent qualifications or work experience in a related area.

Core Skills: There are opportunities to develop the Core Skills of Communication and Problem Solving at SCQF level 6 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 assessed by a research project. Outcome 2 is assessed by the production of a manufacturing schedule. Outcome 3 is a practical assessment and is evidenced by the manufacture of an item of furniture.

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.

Outcome 1

Research and analyse an item of timber based furniture for reproduction

Knowledge and skills

- ◆ Timber based furniture
- ◆ Historical context
- ◆ Materials, tools and equipment
- ◆ Methods of manufacture
- ◆ Research skills

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and skills by showing that they can: research and analyse an item of timber based furniture for reproduction. The analysis will include reference to:

- ◆ the historical period and context of the furniture item
- ◆ materials used
- ◆ the methods of manufacture employed
- ◆ the tools and equipment used at that time

The evidence should comprise approximately 600 words, or equivalent, and should be accompanied by visuals. Visuals should clearly show the style and proportions of the furniture. The research sources should be acknowledged and referenced in the evidence.

Assessment guidelines

This Outcome could be assessed by the candidate researching an item of furniture, previously agreed by the candidate and the lecturer, and then producing a report of their analysis in the form of a project file or report.

Visuals could include photographs or drawings.

This Outcome could be combined with Outcome 2 or could be assessed independently.

Higher National Unit specification: statement of standards (cont)

Unit title: Furniture Reproduction

Outcome 2

Produce a manufacturing schedule

Knowledge and skills

- ◆ Schedule of work
- ◆ Workshop drawings
- ◆ Production plan
- ◆ Material requisition and costing
- ◆ Timelines
- ◆ Safe working practices

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and skills by showing that they can: schedule the production of a piece of timber based furniture. The evidence should be presented as a manufacturing schedule, in a project file or logbook, and include:

- ◆ workshop drawings to a recognised style such as First angle orthographic projection, in suitable scales
- ◆ details drawn in scale 1:1 as appropriate and sufficiently comprehensive to enable the item to be manufactured
- ◆ cutting/components lists from the workshop drawings
- ◆ sourcing and pricing of required materials
- ◆ production timelines
- ◆ planned manufacturing processes with due consideration to safe working practices

Assessment guidelines

The candidate could produce a sequenced plan of manufacture, with alteration and comment noted in the logbook. The project file could also contain lists of the materials that will be required and the possible sources and prices available to the candidate.

Candidates could produce cutting/components lists by utilising the research work from Outcome 1 and the workshop drawings produced.

Higher National Unit specification: statement of standards (cont)

Unit title: Furniture Reproduction

Outcome 3

Manufacture an item of timber based furniture

Knowledge and skills

- ◆ Furniture manufacture
- ◆ Structural integrity
- ◆ Application of surface finishes
- ◆ Safe working practices

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and skills by showing that they can: manufacture an item of timber based furniture identified for reproduction.

Candidates will follow the manufacturing schedule created in Outcome 2. Deviation from the schedule/plans should be noted, justified and commented on by the candidate in a logbook. The logbook should include information on timelines, planning and scheduling.

The item of furniture manufactured:

- ◆ must demonstrate structural integrity
- ◆ be fit for purpose
- ◆ stable
- ◆ have a suitable surface finish applied, if appropriate to the item and the historical context

All manufacturing processes will be carried out under safe working conditions with evidence being recorded on observation schedules for each candidate.

Assessment guidelines

It is envisaged that this Outcome could be assessed by the candidate manufacturing the item of furniture identified, researched, drawn, priced and scheduled for in Outcomes 1 and 2.

The production process for the item of furniture should be observed by the lecturer and recorded on an observation schedule which includes timelines, planning and scheduling information as well as notes on any reasons for deviation from the original plans.

Administrative Information

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Unit title: Furniture Reproduction
Superclass category: JP
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Version	Description of change	Date

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Higher National Unit specification: support notes

Unit title: Furniture Reproduction

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 HNC/D Furniture Group Award framework.

This Unit will give candidates a knowledge and understanding of the work and skills required to reproduce an item of timber based furniture.

A knowledge of power tools is recommended.

It is not anticipated that the processes outlined in the Outcomes be artificially separated but would be part of an overall process which is assessed holistically.

The choice of the item of furniture should be broad enough to allow candidates to embark on a piece that will test their existing strengths and improve areas of development need. The choices may be stipulated by lecturers, or candidates may offer suggestions that interest them.

Items of furniture selected should have a balance of requirements. For example:

- ◆ if there is a strong carving element, it is expected that less complicated upholstery, marquetry or French polishing will be required
- ◆ if the piece is a complicated upholstered project then the internal frame components may be off-saw, with no polishing required
- ◆ a heavily veneered or marquetry covered item will require an applied surface finish, but no upholstery element whatsoever

There may be circumstances where the candidate will have to incorporate bought-in components which they cannot be expected to manufacture, such as toughened safety glass. This is acceptable but the candidate must justify the inclusion of this material, and specify it properly within the project file.

Guidance on the delivery and assessment of this Unit

This Unit may be delivered on a standalone basis or be integrated with another appropriate Unit. Suggested Units for integration might be *Furniture: History*, *Furniture: Shaped Work*, *Furniture: Timber Techniques*, *Furniture: Traditional Upholstery* or *Furniture: Modern Upholstery*, *Furniture: Advanced Veneering*, *Furniture: Finishing Techniques*, possibly *Furniture: Analysis and Furniture: Canework*.

Higher National Unit specification: support notes (cont)

Unit title: Furniture Reproduction

Outcome 1

The candidate should have a choice of which item of furniture to reproduce and should discuss and agree the item with the lecturer. Typically a project file will be created describing the piece, its historical context, the materials, tools, equipment and methods in use and available at that period in history. Through analysis of this information, candidates should be able to draw conclusions as to the possible methods and materials available to them for this reproduction project. This information may be linked with Outcome 2.

Outcome 2

The drawings for the production of the furniture item should be comprehensive enough to allow the item to be manufactured.

Typically, First angle orthographic projection will be used, with other styles complimenting the project file. Detailing and workshop rods may require to be drawn in Scale 1:1.

Suitable cutting lists will be compiled, using correct terminology, allowing calculation of sizes, volumes and costs of materials required.

A manufacturing schedule, including a timetable for production, will be drawn up by candidates. A logbook/diary will be kept to record progress and to allow reflective analysis and comment. It is anticipated that this Outcome will be linked with Outcome 3.

Outcome 3

It is anticipated that candidates will use the materials, methods, tools and equipment they have previously identified in their manufacturing schedule to manufacture their chosen item of furniture.

A centre-devised checklist should be used to allow the lecturer to record the candidate's adherence to safe working practices throughout the project.

Opportunities for developing Core Skills

Communication skills are not formally assessed, although candidates should be expected to produce and present written and oral work to a professional standard. Candidates will have to demonstrate research skills which should show evidence of them extracting the information they require to take their furniture project forward. They will have to summarise and reference their work correctly.

In this process they may also use IT facilities although they should not be penalised if they do not. IT will be used for research purposes in Outcome 1 and it is anticipated that written work which is submitted as evidence of research would be word processed. The availability of suitable software packages to support the candidate should ensure a high standard of accuracy, coherence and presentation with suitable structure and format. This may also assist in the development of skills in the use of IT.

Higher National Unit specification: support notes (cont)

Unit title: Furniture Reproduction

Candidates have an opportunity to enhance and develop their skills of Problem Solving whilst analysing and evaluating their chosen item of furniture, reviewing and evaluating the materials used, tools and techniques of manufacture, and creating a structured plan for making the furniture piece. There may be some aspects of the project that will allow collaboration between candidates producing similar pieces, if a tool has to be manufactured or acquired. This must be strictly monitored to prevent plagiarism, and ensure correct authorship of work.

Open learning

This Unit is not suitable for Open learning due to the practical workshop requirements, and observations required such as the centre devised checklists for safe working practices.

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: Furniture Reproduction

In this Unit you will research and produce a piece of reproduction furniture. As part of the Unit you will look at techniques used in reproduction timber-based furniture and you will learn how to use these techniques to create an item of furniture agreed with your lecturer.

You will start by creating a project file of background information as it is important that you learn about materials, techniques and processes which are in harmony with the item of furniture you wish to make. As part of this process you will consider the history surrounding the item and create drawings suitable to take into the workshop environment enabling you to reproduce the item yourself.

You will bring together your research techniques, your scheduling knowledge and your craft skills to reproduce an item of furniture previously agreed with your lecturer. You will also have to look into sourcing and costing materials.

You will be asked to keep logbook to record progress and any deviation from your plan - this should be kept up to date. This is an important aspect of workshop work as not only can you log what is going well with your project but you can log why you have had to make changes. This encourages you to analyse and quality assure your work as you develop your skills.