

## Higher National Unit Specification

### General information for centres

**Unit title:** Furniture: Analysis

**Unit code:** F0XX 34

**Unit purpose:** This Unit is designed to introduce candidates to an analytical approach in developing a technical understanding of an item of furniture. This Unit could be studied by those who wish to specialise in furniture design or furniture craftsmanship studies.

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

1. Research and analyse an item of furniture.
2. Develop a technical specification for an item of furniture.
3. Produce full workshop drawings for an item of furniture.

**Credit points and level:** 1 HN Credit at SCQF level 7: (8 SCQF credit points at SCQF level 7\*)

*\*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. No prior knowledge or skills are required.

**Core Skills:** There are opportunities to develop the Core Skills of Communication, Problem Solving, Numeracy and Information Technology 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: Candidates will select and analyse an item of furniture with the aim of understanding the context within which it was developed.

Outcome 2: Candidates will evaluate the object and produce information that defines all technical aspects of the chosen object including construction methods, manufacturing processes and application of materials.

Outcome 3: Candidates will utilise the work gathered in Outcomes 1 and 2 in the development and production of full workshop drawings.

## **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**

Research and analyse an item of furniture

#### **Knowledge and/or skills**

- ◆ Research skills
- ◆ Contextual factors
- ◆ Documentation

#### **Evidence Requirements**

Candidates will need to provide evidence to demonstrate their knowledge and skills by showing that they can research and investigate of an item of furniture. Evidence, which should be presented in a research file, should include:

- ◆ information on the context of production - current or historical
- ◆ identification of influences on the development of the item of furniture
- ◆ a diverse range of research sources
- ◆ visuals

#### **Assessment guidelines**

This Outcome could be assessed by the candidate producing a research file which places an item of furniture within the context of its production — current or historical. Candidates should be encouraged to look at factors which influenced the development of the item of furniture. Evidence could be taken from a diverse range of sources to enable candidates to identify the factors and forces which shape this particular object.

## Higher National Unit specification: statement of standards (cont)

**Unit title:** Furniture: Analysis

### Outcome 2

Develop a technical specification for an item of furniture

#### Knowledge and/or skills

- ◆ Manufacturing processes
- ◆ Construction methods
- ◆ Materials
- ◆ Dimensions
- ◆ Survey drawings

#### Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and/or skills by showing that they can evaluate the technical elements of a chosen item of furniture through analytical drawing. The evidence should be presented in their research file and should include:

- ◆ an evaluation of the technical elements of the item chosen
- ◆ information which details the technical aspects of the materials used
- ◆ information on construction and manufacturing
- ◆ analytical drawing and survey notes
- ◆ dimensions detailed on accompanying visuals

#### Assessment guidelines

Through analytical drawing the candidate could evaluate the technical elements of their chosen item of furniture with a view to understanding materials, construction and manufacturing details. The candidate could use survey drawing techniques as a means of defining dimensions of the item of furniture. This drawing work would be assessed in the candidate's research file.

### Outcome 3

Produce full workshop drawings for an item of furniture

#### Knowledge and/or skills

- ◆ Dimensioned orthographic drawings
- ◆ Assembly drawings
- ◆ Construction detail

#### Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and skills by producing workshop drawings, to current British Standards, accompanied by proposed construction detail drawings for an item of furniture.

## **Higher National Unit specification: statement of standards (cont)**

**Unit title:** Furniture: Analysis

### **Assessment guidelines**

Candidates should produce full technical drawings of an item of furniture including orthographic drawings and construction details. Analytical work developed in Outcomes 1 and 2 could be refined through the production of these orthographic drawings, and proposed construction detail.

## Administrative Information

**Unit code:** F0XX 34  
**Unit title:** Furniture: Analysis  
**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: Analysis**

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**

The purpose of this Unit is to introduce candidates to an analytical approach in developing an understanding of technical aspects of an item of furniture. This Unit may be integrated with the analytical component of Reproduction Furniture and as such could be based on a restricted choice of furniture at the centre's discretion, or the candidate could be encouraged to select an item which holds a personal interest to their studies.

#### **Outcome 1**

Candidates should be encouraged to look at factors which influenced the development of the item of furniture. Evidence should be taken from a diverse range of research sources to enable candidates to identify the factors and forces that shape this particular object (eg availability of raw materials, technological developments, economic factors, prevailing styles and ideologies).

#### **Outcome 2**

Through analytical drawing the candidate should evaluate the technical elements of their chosen item of furniture, with a view to understanding materials, construction (structural properties in relation to the material section, frame or carcass configuration) and manufacturing details (reference should be made to the manufacturing context of the chosen period).

#### **Outcome 3**

Analytical work produced in Outcome 2 should be developed and refined through the production of orthographic drawings and resolved construction detail.

### **Guidance on the delivery and assessment of this Unit**

This Unit forms part of the Award HNC/D Furniture. This Unit could be assessed alongside the Unit, Furniture Reproduction and offer a thorough analytical component to this Unit.

#### **Outcome 1**

A series of case studies covering various period/contemporary furniture should be delivered to direct candidates in the selection of an area for further research. Information should be gathered in both visual and written form through annotation and notes and should be recorded in the form of a research file.

## **Higher National Unit specification: support notes (cont)**

**Unit title:** Furniture: Analysis

### **Outcome 2**

The candidate should produce evidence in their research file of analytical drawing which defines the technical information required for the reproduction of the item of furniture.

### **Outcome 3**

Candidates will need to produce a full technical communication of an item of furniture, including orthographic and assembly drawings to current British Standards.

### ***Opportunities for developing Core Skills***

Communication skills are not formally assessed although they could be developed to SCQF level 5. Candidates should be expected to produce and present written and oral reports accurately and coherently.

The availability of suitable software packages to support accuracy and professional presentation could also assist the development of IT skills to SCQF level 5. Outcome 3 could be produced using CAD

All elements of the Core Skill of Problem Solving, namely Planning and Organising, Critical Thinking, and Reviewing and Evaluating could be developed and enhanced to SCQF level 5 as candidates undertake the Unit. Candidates need to identify and consider all available resources in the analysis of influential factors and their significance in developing an understanding of the context of an item of furniture.

Candidates could develop the Using Graphical Information aspect of their Numeracy skills to SCQF level 5 in preparing and interpreting working drawings which are to scale. They will be expected to be able to interpret and to produce diagrams, full orthographic and assembly drawings and use these drawings in a professional context.

### **Open learning**

The use of open learning techniques could be utilised for this Unit, however, sufficient strategies for learning and assessment should be in place within any given establishment to allow this to function to the required standard. Where an open learning approach is used, candidates' responses should be authenticated using a mixture of supervised write-ups and oral questioning to ensure that the work submitted is that of the candidate.

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

## **Higher National Unit specification: support notes (cont)**

**Unit title:** Furniture: Analysis

### **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](http://www.sqa.org.uk)**.



## **General information for candidates**

### **Unit title:** Furniture: Analysis

This Unit will introduce you to an analytical approach in developing an understanding of technical aspects of an item of furniture.

#### **Outcome 1**

You will research and identify the factors and forces that influenced the development of an item of furniture. Evidence gathered should include information on the context of production — current or historical - and should identify influences on the development of the item being investigated. Evidence should come from a diverse range of sources and should include visuals. Information should be gathered in a research file.

#### **Outcome 2**

Through analytical drawing you are required to evaluate the technical elements of the chosen item of furniture with a view to understanding materials, construction and manufacturing details. This analytical work should be included in your research file and should be informed by initial research into the object.

#### **Outcome 3**

Analytical work should be translated through the production of full technical drawings of an item of furniture. These drawings will include orthographic drawings to current British Standards and will define proposed construction detail.

Assessment for this Unit will be based on the analysis of a single item of furniture, and will be evidenced through the development of a thorough research file (Outcomes 1 and 2) and concluding with full workshop drawings, (Outcome 3).