



National Unit specification: general information

Unit title: Furniture Drawing: An Introduction

Unit code: H3ME 11

Superclass: JP

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Summary

This Unit is to develop the learner's ability to produce detailed drawings suitable for the design and manufacture of furniture. The learner should develop orthographic drawings, three dimensional projections and investigate principles of ergonomics and perspective.

This is an optional Unit within the National Certificate Furniture SCQF level 5.

This Unit is suitable for candidates who are studying furniture making or product design.

Outcomes

- 1 Render three dimensional items of furniture into accurate orthographic drawings.
- 2 Produce furniture drawings to illustrate different projections.
- 3 Produce furniture drawings demonstrating the use of perspective.
- 4 Produce furniture drawings in relation to ergonomics.

Recommended entry

Entry is at the discretion of the centre.

Credit points and level

1 National Unit credit at SCQF level 5: (6 SCQF credit points at SCQF level 5*)

**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.*

General information (cont)

Unit title: Furniture Drawing: An Introduction

Core Skills

Achievement of this Unit gives automatic certification of the following Core Skills component:

Complete Core Skill None

Core Skill component Critical Thinking at SCQF level 5
 Planning and Organising at SCQF level 4

There are also opportunities to develop aspects of Core Skills which are highlighted in the Support Notes of this Unit specification.

National Unit specification: statement of standards

Unit title: Furniture Drawing: An Introduction

Acceptable performance in this Unit will be the satisfactory achievement of the standards set out in this part of the Unit specification. All sections of the statement of standards are mandatory and cannot be altered without reference to SQA.

Outcome 1

Render three dimensional items of furniture into accurate orthographic drawings.

Performance Criteria

- (a) Produce three dimensional views of furniture drawn to scale illustrating full views with exploded detail.
- (b) Produce exploded details showing key structural details.
- (c) Produce accurate orthographic drawings from given examples of furniture.

Outcome 2

Produce furniture drawings to illustrate different projections.

Performance Criteria

- (a) Create a range of drawings of an item of furniture demonstrating axonometric projections.
- (b) Produce drawings that show cabinet projections.
- (c) Produce drawings that orthographic projections.

Outcome 3

Produce furniture drawings demonstrating the use of perspective.

Performance Criteria

- (a) Produce drawings that show one point perspective.
- (b) Produce drawings that show two point perspectives.
- (c) Produce drawings that show three point perspectives.

Outcome 4

Produce furniture drawings in relation to ergonomics.

Performance Criteria

- (a) Produce drawings demonstrating the interrelation between the human figure and furniture.
- (b) Produce drawings that show the figure standing next to a piece of furniture.
- (c) Produce drawings that show the figure seated on a piece of furniture.

National Unit specification: statement of standards (cont)

Unit title: Furniture Drawing: An Introduction

Evidence Requirements for this Unit

Evidence is required to demonstrate that the candidates have achieved all Outcomes and Performance Criteria.

Performance evidence is required which demonstrates that the candidate has achieved all Outcomes to the standards specified in the Outcome and Performance Criteria.

This evidence should be produced under supervised, controlled conditions at appropriate points throughout the Unit either on an Outcome by Outcome basis or as integrated assessments.

The required evidence, for all Outcomes, is as follows:

Outcome 1: Evidence of rendering furniture into two dimensional drawings

Evidence must be provided in the form of a minimum of three competent drawings to show that the candidate can produce accurate drawings with exploded detail showing key structural details. Evidence in the form of a minimum of three competent drawings which show that the candidate can produce accurate orthographic drawings from given examples of furniture must also be provided.

Outcome 2: Evidence of furniture drawing to illustrate different projections

Evidence must be provided in the form of a minimum of three competent drawings to show that the candidates has drawn pieces of furniture from different view points to illustrate various projections.

Outcome 3: Evidence of furniture drawing demonstrating use of perspective

Evidence must be provided in the form of a minimum of three competent drawings to show that the candidate has an understanding and competence in using perspective.

Outcome 4: Evidence of furniture drawing demonstrating understanding of ergonomics

Evidence must be provided in the form of three competent drawings to show that the candidate has an understanding and competence in ergonomics.

National Unit specification: support notes

Unit title: Furniture Drawing: An Introduction

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

In this Unit, candidates will learn how to accurately present drawings of furniture that can be then used as working drawings to construct furniture.

Candidates will study furniture and its interaction with the human figure so that they can design/draw furniture with this knowledge.

Candidates will learn the theories of perspective so that their drawings can be accurate.

Guidance on learning and teaching approaches for this Unit

This Unit is intended to be delivered in a candidate-centred way.

Delivery of Outcomes 1–4 would be enhanced by showing examples from art history and design plans as well as demonstration by tutor.

Class based activities could be supported by sketchbook work observing people interacting with furniture in public spaces.

Apart from the initial introduction to each of the learning Outcomes, the Outcomes should overlap and dovetail into each other.

Guidance on approaches to assessment for this Unit

Assessment could be undertaken on a continuous basis with evidence gathered for assessment from practical drawing class and sketchbooks.

A portfolio of drawings could be created throughout the Unit which will provide the evidence of achievement. An integrated approach to assessment for this Unit is suggested and candidates should be encouraged to identify where drawings can provide evidence for more than one Outcome. This will help reduce the assessment burden on candidates and centres and help candidates to integrate the knowledge and skills they have developed in the Unit as a whole.

If this Unit is delivered as part of the NC in Furniture at SCQF level 5 it may be possible to integrate the assessment of this Unit with other practical Units within the award. For example the candidate could produce drawings to generate evidence for this Unit based on an item of furniture which they will construct in another Unit. This will help candidates to relate the knowledge and skills they develop in this Unit to the overall award and to real working practices.

National Unit specification: support notes (cont)

Unit title: Furniture Drawing: An Introduction

Opportunities for the use of e-assessment

E-assessment may be appropriate for some assessments in this Unit. By e-assessment we mean assessment which is supported by Information and Communication Technology (ICT), such as e-testing or the use of e-portfolios or e-checklists. Centres which wish to use e-assessment must ensure that the national standard is applied to all candidate evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. Further advice is available in *SQA Guidelines on Online Assessment for Further Education (AA1641, March 2003)*, *SQA Guidelines on e-assessment for Schools (BD2625, June 2005)*.

Opportunities for developing Core Skills

The Unit should provide candidates with an opportunity to develop the following Core Skills:

- ◆ *Communication* at SCQF level 4
- ◆ *Numeracy* at SCQF level 4
- ◆ *Problem Solving* at SCQF level 4

There is no automatic certification of Core Skills or Core Skills components in this Unit.

This Unit has the Critical Thinking and Planning and Organising components of Problem Solving embedded in it. This means that when candidates achieve the Unit, their Core Skills profile will also be updated to show they have achieved Critical Thinking at SCQF level 5 and Planning and Organising at SCQF level 4.

Disabled candidates and/or those with additional support needs

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering whether any reasonable adjustments may be required. Further advice can be found on our website www.sqa.org.uk/assessmentarrangements

History of changes to Unit

Version	Description of change	Date
02	Core Skills Components Critical Thinking at SCQF level 5 embedded and Planning and Organising at SCQF level 4 embedded.	22/04/2013

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