

Higher National Unit Specification

General information for centres

Unit title: Drawing: Aids to Construction

Unit code: DX5G 35

Unit purpose: The Unit is designed to introduce candidates to the use of constructional drawing aids when creating imagery. This Unit will give candidates the skills to produce accurate drawings that meet the requirements of a brief/s.

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

- 1 Construct measured imagery using grid systems.
- 2 Incorporate measured imagery into a photographic image.

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 the candidate is able to construct parallel projection and perspective projection imagery. An understanding of the appropriate application of these topics is necessary. This may be evidenced by the possession of the HN Unit in Drawing Systems DV61 34 (or equivalent).

Core Skills: There are opportunities to develop the Core Skills of Problem Solving and Numeracy at SCQF level 6 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 should be assessed as two assignments. In each assignment candidates will create illustrations to include measured constructions. One assignment should be for the production of a measured image using an isometric grid and one assignment should be for the production of a measured image using a perspective grid, as identified in the Evidence Requirements.

Outcome 2 should be assessed as one assignment. In the assignment candidates are asked to create an illustration to include measured perspective construction. The assignment should be for the incorporation of a measured image within a photographic image as identified in the Evidence Requirements.

General information for centres (cont)

An exemplar instrument of assessment and marking guidelines has been produced to show the national standard of achievement at HN SCQF level 8.

Higher National Unit specification: statement of standards

Unit title: Drawing: Aids to Construction

Unit code: DX5G 35

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

Construct measured imagery using grid systems

Knowledge and/or skills

- ◆ Reference material
- ◆ Isometric grid
- ◆ Perspective grid
- ◆ Construction methods
- ◆ Viewpoint
- ◆ Scale
- ◆ Use of media

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and/or skills by showing that they can, in response to a given brief:

- ◆ correctly interpret reference material
- ◆ accurately construct an image using an isometric grid
- ◆ accurately construct an image using a perspective grid
- ◆ select appropriate viewpoints
- ◆ control scale in terms of subject and format
- ◆ select and use appropriate media in terms of scale and form

Assessment guidelines

The assessment for this Outcome should take the form of two practical assignments. The briefs should be devised by the class tutor delivering the Unit. The assessment can be carried out after the topic has been taught or at the end of the Unit. It is recommended that centre/s develop checklists to support the assessment requirements for each of the knowledge and/or skills items-

Higher National Unit specification: statement of standards (cont)

Unit title: Drawing: Aids to Construction

Outcome 2

Incorporate measured imagery into a photographic image

Knowledge and/or skills

- ◆ Reference material
- ◆ Perspective construction
- ◆ Image construction using a photographic image
- ◆ Viewpoint
- ◆ Scale
- ◆ Use of media

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and/or skills by showing that they can, in response to a given brief:

- ◆ correctly interpret reference material
- ◆ accurately incorporate elements of measured imagery into a photographic image
- ◆ select appropriate imagery viewpoint
- ◆ control image scale in relation to a photographic image
- ◆ select and use appropriate /media appropriately in terms of scale and form

Assessment guidelines

The assessment for this Outcome should take the form of a practical assignment. The brief should be devised by the class tutor delivering the Unit. The assessment can be carried out after the topic has been taught or at the end of the Unit. It is recommended that the centre/s develop checklists to support the assessment requirements for each of the knowledge and/or skills items.

Administrative Information

Unit code: DX5G 35

Unit title: Drawing: Aids to Construction

Superclass category: JC

Original date of publication: August 2006

Version: 01

History of Changes:

Version	Description of change	Date

Source: SQA

© Scottish Qualifications Authority 2006

This publication may be reproduced in whole or in part for educational purposes provided that no profit is derived from reproduction and that, if reproduced in part, the source is acknowledged.

SQA acknowledges the valuable contribution that Scotland's colleges have made to the development of Higher National qualifications.

Additional copies of this Unit specification can be purchased from the Scottish Qualifications Authority. Please contact the Customer Contact Centre for further details, telephone 0845 279 1000.

Higher National Unit specification: support notes

Unit title: Drawing: Aids to Construction

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 could be delivered as part of an art and design course. As long as all the Outcomes are met the unit can be adapted to meet the needs of a broad spectrum of art and design courses. There is scope within the unit for tutors to direct learning in a way that is most appropriate to the specialist area of a particular course.

It is not necessary for every candidate to have detailed knowledge of all aspects of measured drawing and creating imagery using grid systems unless this knowledge is an underpinning skill in their specific discipline. On completion of this unit is expected that all candidates will be able to construct accurate imagery using perspective and isometric grid systems and construct imagery for incorporation into a photographic image.

The Unit is intended to enable candidates to develop the knowledge and skills required to produce measured drawings using both isometric and perspective grid systems with accuracy. The aim of the unit is to develop and build drawing skills using constructional aids.

The Unit should be approached as series of individual drawing assignments. Tutors may offer notes and lectures that provide appropriate course-specific information to candidates and specify a precise brief for each particular assignment.

Producing preparatory studies and the use of sketchbooks should be encouraged throughout the Unit. Sketchbooks and drawings can be produced as part of unsupervised or home study.

Guidance on the delivery and assessment of this Unit

This Unit is mostly practical in nature and should be delivered with that in mind.

The reference material used in creating the imagery should reflect the time allocation unless part of an integrated presentation.

Candidates must undertake a minimum of three assignments. Drawings produced should be accurately measured and demonstrate the use of a variety of drawing materials appropriate to the nature of the assignment. Candidates should also demonstrate a creative and analytical approach and sound observational skills and produce drawings that successfully meet all the requirements of the unit specification. The imagery could be created using traditional media and drawing boards or computer generated or a mixture of both, where appropriate.

It is envisaged that each candidate will produce more than the minimum amount of drawings required and that the most successful and/or appropriate pieces will be selected for summative assessment. A selection of drawings that includes finished drawings, preparatory studies and sketchbook work should be presented. Artwork may be mounted if considered appropriate, but is not mandatory for the achievement of this Unit.

Higher National Unit specification: support notes (cont)

Unit title: Drawing: Aids to Construction

Drawings submitted for assessment may have been created in the studio under the supervision of the tutor, or if produced unsupervised tutors should ensure the authenticity of candidate's work.

Work produced should be assessed at the end of each outcome, ensuring that the candidate has demonstrated accuracy and has applied knowledge of the required skills to the work presented.

Opportunities for developing Core Skills

Candidates should be given support to analyse and seek solutions to theoretical and practical problems or issues relevant to their design brief. Formative work in which they identify and consider all components, including available resources, and analyse the significance of each in order to identify an appropriate strategic approach will provide opportunities to develop problem solving skills to an advanced level.

Candidates should have opportunities for formative work which will allow them to use constructional aids when creating imagery and they should be encouraged to recognise significant features of graphical information in a range of data. Using aids to construction within a drawing context will foster the ability of candidates to analyse and evaluate their work and should provide opportunities for group discussion of the interpretation and communication of significant graphical data. Decisions on appropriate solutions to a design brief will further develop underpinning skills in the measurement, calculation and presentation of drawn information using construction aids.

Open learning

This Unit could be delivered by open learning. However it would require planning by the centre to ensure sufficiency and authenticity of candidate evidence. For further information and advice please refer to the SQA document *Assessment and Quality Assurance for Open and Distance Learning* which is available on SQA's website: 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: Drawing: Aids to Construction

The Unit will allow you to use various types of constructional drawing aids to create imagery. You will produce accurate drawing which meet the requirements of given briefs.

You will also construct measured imagery using grid systems and incorporate measured imagery into photographic imagery.

A brief for each assessment will be prepared and given to you by your tutor.

You will be required to create a series of measured and rendered images, which will relate to the use of an isometric grid, a perspective grid and will also allow you to incorporate images into a photograph.