



National Unit specification: general information

Unit title: Perspective Drawing: An Introduction (SCQF level 6)

Unit code: H2TW 12

Superclass: TD

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Summary

In this Unit, candidates will be introduced to freehand perspective sketching and drawing. Candidates will explore drawing of simple geometric shapes and forms in perspective before producing a simple, tonal perspective drawing of an exterior or interior architectural view. The Unit develops the ability to express 3D design ideas and the ability to integrate perspective sketching and drawing with project folios/sketchbooks, and presentations.

This Unit is suitable for candidates who want to learn basics of freehand perspective sketching and drawing and/or want to follow a career in architecture or related areas.

This is an optional Unit in the National Certificate (NC) in Architecture and Interior Design at SCQF level 6, but is also available as a freestanding Unit.

Outcomes

- 1 Investigate drawing media and techniques.
- 2 Produce a folio of perspective sketches of basic 3D forms.
- 3 Produce 3D drawings of simple perspective views.

Recommended entry

While entry is at the discretion of the centre, it would be beneficial for candidates to have some prior knowledge of perspective and experience of drawing and media handling skills.

General information (cont)

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Credit points and level

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

**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.*

Core Skills

Opportunities to develop aspects of Core Skills are highlighted in the support notes of this Unit specification.

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

National Unit specification: statement of standards

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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

Investigate drawing media and techniques.

Performance Criteria

- (a) Produce drawings using a variety of drawing media and techniques.
- (b) Investigate line drawing techniques.
- (c) Investigate tonal drawing techniques.

Outcome 2

Produce a folio of perspective sketches of basic 3D forms.

Performance Criteria

- (a) Construct 2D sketches of geometric shapes.
- (b) Project and construct 3D sketches of geometric forms in 1pt and 2pt perspective.
- (c) Apply tone to 3D forms.

Outcome 3

Produce 3D drawings of simple perspective views.

Performance Criteria

- (a) Select simple plan view(s) and appropriate viewpoints from a 1pt and/or 2pt perspective angle.
- (b) Project and construct 3D drawings using 1pt and/or 2pt perspective.
- (c) Select and use appropriate drawing media and techniques to apply tone.

National Unit specification: statement of standards (cont)

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Evidence Requirements for this Unit

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

Written and/or oral and product evidence is required, which will include:

Outcomes 1 and 2

- ◆ Examples of the experimentation of a minimum of four drawing media used to indicate line and tone.
- ◆ A minimum of one sketch drawing in both 1pt and 2pt perspective planes of each of the following geometric shapes — square/rectangle, circle and triangle.
- ◆ A minimum of one sketch drawing in both 1pt and 2pt perspective of each of the following geometric forms — cube/cuboid, cylinder, cone, pyramid and triangular prism.

Outcome 3

- ◆ A minimum of two A4 size drawings in 1pt and/or 2pt perspective.

National Unit specification: support notes

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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 is an optional Unit in the National Certificate (NC) in Architecture and Interior Design at SCQF level 6, but is also available as a freestanding Unit.

The application of perspective drawing and associated rendering should relate to the area of study. The content of folios could be linked to other disciplinary studies and/or project work if delivery occurs within an NC programme. It would be beneficial for candidates to possess some knowledge of perspective and some experience of drawing and media handling skills. Knowledge of basic geometric shapes and basic geometric 3D forms would also be beneficial.

Throughout the Unit candidates should be offered the opportunity to experiment with basic drawing media, techniques and grounds appropriate to the area of study.

Guidance on learning and teaching approaches for this Unit

Exemplars of perspective drawings with tonal rendering should be readily available for candidates and demonstrations should be provided throughout delivery of the Unit.

In Outcome 1, candidates should be introduced to a variety of drawing media, rendering techniques and mixed media combinations to be utilised throughout the Unit. Possible media could include soft pencil, coloured pencil, thin/thick felt tip pen, soft pastel, oil pastel, ink, collage, etc. No medium should be excluded.

Outcome 2 could begin with tutors introducing candidates to the observation of perspective in secondary sources in drawings, photographic images, digital media, video, as well as observation of perspective with the naked eye.

Examples of 1pt and 2pt perspective views should be readily available for candidates throughout the Unit. Information could be issued at the start of delivery on perspective drawing terminology as a reference, for example — viewpoints, cones of vision, perspective projection, perspective views, eyelevels, vanishing points, construction envelopes and true height lines. It is recommended that correct terminology be used throughout by tutors and that candidates reinforce their knowledge and use of correct terminology, through the correct description of the perspective sketches in the folio. For example drawings should be correctly identified as 1pt or 2pt perspective view.

Tutor demonstrations could include the construction of the drawing of 2D geometric shapes — square/rectangle/circle and triangle. This could be followed by demonstrations drawings of individual 2D shapes in 1pt and 2pt perspective and then 3D projected geometric forms in 1pt and 2pt perspective.

National Unit specification: support notes (cont)

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Applying theory of perspective in observational drawing may be a useful learning tool.

It could be helpful if evidence produced for Outcomes 1 and 2 was reviewed by candidates and discussed with tutors in relation to strengths and weaknesses, prior to Outcome 3.

The tonal effect of a light source on 3D form could be demonstrated. Tonal rendering should indicate a direction/source of light following the principles of sciagraphy (shadow projection in architectural drawing).

In Outcome 2 candidates should produce drawings which include experimentation with drawing media for line and tonal drawing.

Outcome 3 could begin with tutor-led stage by stage demonstrations of 1pt and 2pt perspective drawings of 3D geometric forms, as indicated in simple plan layouts.

In Outcome 3 the designs used for perspective drawings should originate from candidates' own design work. Candidates should build on knowledge and skills from Outcomes 1 and 2 to produce simple 3D drawings of geometric forms in an exterior or interior perspective view. Candidates should be encouraged to develop design detail through drawing and rendering. Candidates could develop the perspective drawings further by adding detail.

Guidance on approaches to assessment for this Unit

Evidence for Outcome 1 should be holistically assessed with Outcome 2.

It is recommended that assessment of this Unit is integrated and linked with other Units, when delivered as part of the NC in Architecture and Interior Design.

Although group work may be used as part of the learning and teaching approach, any work that contributes to a candidate's assessment evidence must be carried out on an individual basis to ensure authenticity. Tutors must be satisfied that evidence submitted is the work of individual candidates.

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)*.

National Unit specification: support notes (cont)

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Opportunities for developing Core Skills

In this Unit candidates may have opportunities to develop aspects of the Core Skills of *Communication, Information and Communication Technology, Problem Solving* and *Numeracy*.

Communication may be developed through written and/or verbal reporting throughout.

Information and Communication Technology may be developed through the nature of the research and investigation.

Problem Solving may be developed through all Outcomes where candidates will be assigned specific tasks that will require a certain level of critical thinking, planning and evaluating.

Numeracy may be developed through use of numbers and scales in the production of drawings.

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

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