

Higher National Graded Unit Specification

General Information for Centres

This Graded Unit has been validated as part of the 3D Design HNC award. Centres are required to develop the assessment instrument in accordance with this validated specification. Centres wishing to use another type of Graded Unit or assessment instrument are required to submit proposals detailing the justification for change for validation.

Graded Unit Title:	3D Design: Graded Unit 1
Graded Unit Code:	DX44 34
Type of Graded Unit:	Project
Assessment Instrument:	Practical Assignment

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 National 1 to Doctorates.

Purpose: This Graded Unit is designed to provide evidence that the candidate has achieved the following principal aims of the HNC 3D Design.

- develop a range of contemporary vocational skills within the context of 3D Design
- prepare candidates for employment in a 3D Design related post and places at HE establishments
- develop specialist technical skills and knowledge
- conduct independent project work involving the integration and application of a variety of skills within a determined time scale
- develop options to permit an element of vocational specialism

Recommended Prior Knowledge and Skills: It is recommended that the candidate should have completed or be in the process of completing the following Units relating to the above specific aims prior to undertaking this Graded Unit:

Core Units:

Developmental Drawing Art and Design: Creative Process Digital Imaging Art and Design Context Art and Design Project

General Information for Centres (cont)

Core Skills: There is no automatic certification of Core Skills or a Core Skill component as part of this Graded Unit. However, there may be opportunities to develop the Core Skill of Problem Solving, Communication and Working with Others.

Assessment: This Graded Unit will be assessed by the use of a practical assignment. The developed Practical Assignment should provide the candidate with the opportunity to produce evidence that demonstrates she/he has met the aims of the Graded Unit that it covers.

This Group Award Graded Unit will be assessed by the use of a practical assignment. The practical assignment should provide the candidate with the opportunity to produce evidence that demonstrates he/she has met the aims of the group award that this Group Award Graded Unit covers. The Graded Unit should be undertaken on an individual basis. Candidates should be given a set project which involves them in developing a finished product and which demonstrates understanding, development and application of a variety of knowledge and skills within a determined time scale. An exemplar instrument of assessment and marking guidelines have been produced to provide examples of the type of evidence required to demonstrate achievement of the aims of the Group Award covered by this integrative assessment and to indicate the national standard of achievement required at SCQF 7.

Administrative Information

Graded Unit Code:	DX44 34
Graded Unit Title:	3D Design: Graded Unit 1
Original date of publication:	August 2006
Version:	03 (July 2018)

History of Changes:

Version	Description of change	Date
02	Stage 1 Planning — 25% changed to 15%	17/10/07
	Stage 2 Developing — 50% changed to 75%	
	Stage 3 Evaluating — 25% changed to 10%	
	Two bullet points moved from Stage 1 Planning to Stage 2.	
	Bullet point 'The complete product' — add 'meets the requirements of the	
	brief'.	
	Two bullet points moved from Stage 3 to Stage 2.	
	Bullet point 'Analyse the use of 3D elements — add '2D and'.	
03	Update to Conditions of Assessment.	27/07/18

Source:

SQA

© Scottish Qualifications Authority 2006, 2007, 2018

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 Graded Unit specification if sourced by the Scottish Qualifications Authority can be purchased from the Scottish Qualifications Authority. Please contact the Customer Contact Centre for further details, telephone 0345 279 1000.

Higher National Graded Unit Specification: Instructions for designing the assessment task and assessing candidates

Graded Unit Title: 3D Design: Graded Unit 1

Conditions of Assessment

The candidate should be given a date for completion of the project. However, the instructions for the assessment task should be distributed to allow the candidate sufficient time to assimilate the details and carry out the assessment task. During the time between the distribution of the assessment task instructions and the completion date, assessors may answer questions, provide clarification, guidance and reasonable assistance.

Reasonable assistance is the term used by SQA to describe the difference between providing candidates with some direction to generate the required evidence for assessment and providing too much support which would compromise the integrity of the assessment. Reasonable assistance is part of all learning and teaching processes.

In relation to the assessment of Higher National Project-based Graded Units, assessors may provide advice, clarification, and guidance during the time between the distribution of the project instructions and the completion date, ie at each stage of the project.

Remediation allows an assessor to clarify candidate responses, either by requiring a written amendment or by oral questioning, where there is a minor shortfall or omission in evidence requirements. In either case, such instances must be formally noted by the assessor, either in writing or recording, and be made available to the internal and external verifier.

In relation to Higher National Project-based Graded Units, candidates must be given the opportunity for remediation at each stage of the project.

The evidence for a Higher National Project-based Graded Unit is generated over time and involves three distinct stages, each of which has to be achieved before the next is undertaken. This means that any reassessment of stages must be undertaken before proceeding to the next stage. The overall grade is derived from the total number of marks *across all* sections, and should reflect the ability of the candidate to work autonomously and the amount of support required. In relation to Higher National Project-based Graded Units, candidates who have failed any stage of the project and have been unable to provide the necessary evidence through remediation must be given the opportunity for reassessment of that stage.

Any candidate who has failed their graded unit or wishes to upgrade their award must be given a reassessment opportunity, or in exceptional circumstances, two reassessment opportunities. In the case of project-based graded units, this must be done using a substantially different project.

The final grading given must reflect the quality of the candidate's evidence at the time of the completion of the graded unit. Candidates must be awarded the highest grade achieved — whether through first submission or through any reassessment, remediation, and/or reasonable assistance provided.

Higher National Graded Unit Specification: Instructions for designing the assessment task and assessing candidates (cont)

Instructions for designing the assessment task

The assessment task is a project. The project undertaken by the candidate must be a complex task which involves:

- variables which are complex or unfamiliar
- relationships which need to be clarified
- a context which may be familiar or unfamiliar to the candidate

The assessment task must require the candidate to:

- analyse the task and decide on a course of action for undertaking the project
- plan and organise work and carry it through to completion
- reflect on what has been done and draw conclusions for the future
- produce evidence of meeting the aims which this Graded Unit has been designed to cover

The project must involve a practical assignment culminating in a finished product, and candidates must demonstrate the application of the skills and knowledge that fall within the context of 3D Design. This assessment instrument is not concerned exclusively with practical activity — candidates are provided with a brief that allows them to prepare, plan and demonstrate creative skills.

The candidate will be asked to:

- interpret a brief
- gather information in response to the brief
- demonstrate the ability to integrate research into creative design solutions
- produce a product to an acceptable professional standard
- evaluate the product

The practical assignment and the way it is planned should ensure candidates undertake individual research and investigation in relation to the given brief. The brief should create opportunities for the candidate to express and develop their own creativity. The projects should also fit centres available resources.

The most appropriate approach to the project is one that requires candidates to integrate skills to produce a creative solution to a given brief. The candidate should be asked to research, consider and develop creative solutions to produce a finished product of a professional standard.

Each candidate must provide his or her individual responses to the given brief and assessors must be satisfied that the work has been completed by the individual candidate. This should be presented in the form of a structured annotated sketch book, log book or 3D equivalent.

As part of the developmental stage the candidate should give a simulated client presentation.

Higher National Graded Unit Specification: Instructions for designing the assessment task and assessing candidates (cont)

Guidance on grading candidates

Candidates who meet the minimum Evidence Requirements will have their achievement graded as C — competent, or A — highly competent or B somewhere between A and C. The grade related criteria to be used to judge candidate performance for this Graded Unit is specified in the following table.

Grade A	Grade C
Is a seamless, coherent piece of work which:	Is a co-ordinated piece of work which:
 Sophisticated research approaches 	Adequate research approaches
 Critical and evaluative approaches 	 Analysis of key factors
 Strategic thinking 	 Ability to identify problems
 Exceptional technical skills 	Practical competence
 Insightful solution to brief 	 Adequate solution to brief
 Refinement and originality of creative 	 Gestural creative expression
expression	♦ Well presented
♦ High visual impact	Guided time management
• Effective time management	 Professionalism
 Professionalism 	

The project will be marked out of 100. Assessors will mark each stage of the project, taking into account the criteria outlined. The marks will then be aggregated to arrive at an overall mark for the project. Assessors will then assign an overall grade to the candidate for this graded unit based on the following grade boundaries.

А	=	70%	 100%
В	=	60%	 69%
С	=	50%	 59%

Note: the candidate must achieve all of the minimum evidence specified below for each stage of the project in order to achieve the Graded Unit.

Higher National Graded Unit Specification: Instructions for designing the assessment task and assessing candidates (cont)

Evidence Requirements

The project consists of three stages: planning; developing; and evaluating. The following table specifies the minimum evidence required to pass each stage.

Note: The candidate must achieve **all of the minimum evidence** specified below for each stage of the project in order to pass the Graded Unit.

Project Stage	Minimum Evidence Requirements	
Stage 1 — Planning	An action plan which contains:	
10/0	Aims of the practical assignment	
	 Identification of materials and resources and how they will be accessed 	
	 Project overview and schedule 	
	The candidate must achieve all of the minimum evidence specified above in order to pass the Planning stage.	
Stage 2 — Developing	Developing Creative Solutions to a finished Product	
75%	• Design techniques ie 2D and/or 3D sketch design, thumbnails, roughs, should be produced as design documentation within the project	
	• Demonstrates the ability to integrate research into a finished product	
	• The completed project meets the requirements of the brief	
	 Demonstrates focus, concentration and confidence in the client presentation 	
	 Responds appropriately when presenting work 	
	 Analyse the requirements and their implications 	
	• Review and update the action plan in the light of the experience	
	 Information gathered in response to the brief 	
	 Investigation into possible alternative solutions 	

Higher National Graded Unit specification: Instructions for designing the assessment task and assessing candidates (cont)

Project Stage	Minimum Evidence Requirements
Stage 2 (cont)	A written and visual record of the process underpinning the activity should be contained in an annotated sketch book or log book which should consist of the following:
	• The action plan
	• Research and development
	 Documentation of the design process
	 Alternative design solutions
	Mentoring feedback
	The candidate must achieve all of the minimum evidence specified above in order to pass the Developing stage.
Stage 3 — Evaluating	The evaluation process should:
-	 Identify strategies for development
10%	 Analyse the client presentation skills
	• Briefly outline the practical assignment
	• Identify any knowledge and skills which have been gained or developed
	 Analyses the use of 2D and 3D elements
	The candidate must achieve all of the minimum evidence specified above in order to pass the Evaluating stage.

Equality and inclusion

This graded unit specification has been designed to ensure that there are no unnecessary barriers to learning or assessment. For information on these, please refer to the SQA document *Guidance on Assessment Arrangements for Equality and inclusion*, which is available on SQA's website: **www.sqa.org.uk**.