



Higher National Graded Unit specification

General information for centres

This Graded Unit has been validated as part of the suite of HND in Architectural Conservation. 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: Architectural Conservation: Graded Unit 2

Graded Unit code: F559 35

Type of Graded Unit: Project

Assessment Instrument: Investigative Report

Credit points and level: 2 HN credits at SCQF level 8: (16 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 National 1 to Doctorates.*

Purpose: This Graded Unit is designed to provide evidence that the candidate has achieved the following principal aims of the HND in Architectural Conservation:

- ◆ To develop the candidates' transferable knowledge and skills such as planning, analysis and synthesising
- ◆ To enable the candidates to progress within the Scottish Credit Qualification Framework
- ◆ To develop study and research skills as appropriate to SCQF level 8
- ◆ To develop the candidates' ability to take responsibility for their own learning.
- ◆ To develop transferable skills including Core Skills
- ◆ To provide a basis for future career, educational and personal development
- ◆ To provide the candidates with appreciation of architectural conservation concepts as appropriate to SCQF level 8
- ◆ To provide the candidates with the relevant transferable practical skills and knowledge for employment as a technician working in a sector of the construction industry with a range of employers including Architects, Building Surveyors, Contractors and Building Control, and Historic Scotland as appropriate to SCQF level 8
- ◆ To provide the candidates with an appreciation of the context of their potential employment through their practical skills and knowledge so as to be able to make an immediate contribution in employment in the building industry in the architectural conservation sector
- ◆ To provide flexibility within the programme so that candidates may gain skills and knowledge appropriate to their employment requirements

General information for centres (cont)

- ◆ To provide a choice of optional Units that will allow candidates to develop in other areas relevant to future employment or progression via an HND in Architectural Conservation or Higher Education
- ◆ To provide a basis for candidates to progress their future career and personal development, such as becoming a technical member of the Royal Institution of Chartered Surveyors or the Chartered Institute of Building

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:

Unit code	Unit title	SCQF level
F558 34	Graded Unit 1	7
F4YA 35	Architectural Conservation: Contract Procurement and Documentation	8
F4MX 35	Architectural Conservation: Repair of Walls, Floors and Roofs	8
F4S1 35	Architectural Conservation: Substructure, Geology and Structures.	8
DW4X 35	Fire Safety in Buildings	8
New	Architectural Conservation: Historic Building Maintenance	7
F4Y9 34	Architectural Conservation Factors Affecting Building Decay	7
DW40 35	Surveying Historic Buildings	8

Core Skills: This Unit gives automatic certification of the following Core Skill: *Problem Solving* at SCQF level 6. There are opportunities to develop the Core Skills: *Communication* and *Information and Communication Technology* and *Working with Others* at SCQF level 6 in this Unit, although there is no automatic certification of Core Skills or Core Skills components.

Assessment: This Graded Unit will be assessed by the use of an Investigation Report. The planning, development, and evaluation of the Investigation Report 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 Graded Unit should be conducted by a project based on the submission of a feasibility study into the re use of a redundant Listed Building Consent 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 assessment and to indicate the national standard of achievement required at SCQF level 8.

Administrative Information

Graded Unit code: F559 35

Graded Unit title: Architectural Conservation: Graded Unit 2

Original date of publication: August 2008

Version: 02

History of changes:

Version	Description of change	Date
02	Update of Conditions of Assessment	11/07/2018

Source: SQA

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

FURTHER INFORMATION: Call SQA's Customer Contact Centre on 0345 279 1000.

Higher National Graded Unit specification: instructions for designing the assessment task and assessing candidates

Graded Unit title: Architectural Conservation: Graded Unit 2

Conditions of assessment

The candidate should be given a date for completion of the investigation. 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 by 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 re-assessment 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 re-assessment of that stage.

Any candidate who has failed their graded unit or wishes to upgrade their award must be given a re-assessment opportunity, or in exceptional circumstances, two re-assessment 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 re-assessment, remediation, and/or reasonable assistance provided.

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

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

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 candidate will be presented with an investigation report based project and a brief within the context of a feasibility study in to the re use of a redundant listed building at risk from demolition. The issues selected will focus on the main aims of the HND Architectural Conservation course, and the need to demonstrate integration of knowledge and skills across the mandatory Units in the award.

In completing the range of tasks defined in the Evidence Requirements of this Graded Unit, the candidate should display his or her ability to provide and integrate appropriate technical knowledge and skills from across the Units whilst maintaining the focus of the HND course. The knowledge used will depend on the candidate, but in all cases candidates must provide all the minimum Evidence Requirements.

The candidates will be presented with an investigation report and a brief. The brief will require that the candidate follows through the investigation report and addresses the issues and questions contained in the brief. The issues will include the history of the building, including changes of use, its architectural style, the arguments as to why it is important and should be saved from demolition, a complete condition survey of the building, an assessment of new uses for the building, including their economic viability, a specification of the works to be undertaken to achieve the recommended new use and a complete set of “before” and “after” drawings, including details of specific works. The candidate will be expected to address health and safety issues in their investigation.

Candidates will select a redundant listed building in conjunction with the tutor. The candidates will pick a building, research the history, architectural style and social context, use and change of use and adaptation over the years, access information from the local planning department and bodies such as the Civic Trust, Historic Scotland or Building Preservation Trusts. The candidate will survey the building and produce as existing drawings and draw up the feasibility study on new proposals for the building including drawings and specifications of enabling works all within recognised guidelines. The candidate may take photographs of the outside of the building to illustrate their project. The candidate will be expected to put forward an economic case for the viable new use of the building having liaised with the professional bodies mentioned above.

Candidates will be expected to present photographic and drawing evidence in support of their investigation.

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.

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

Grade A	Grade C
<p>Is a seamless, coherent piece of work which has many more strengths than weaknesses and:</p> <ul style="list-style-type: none"> ◆ Clearly addresses a ‘fit for purpose’ objective in arriving at proposed solutions including considerations of cost and quality ◆ Has continuously accessed available guidance in arriving at the solutions submitted ◆ Considers possible conflicts in integrating investigation, conclusions and recommendations in relation to constraints imposed ◆ Has accessed a wide range of available data and design guidance ◆ Is clear and well structured throughout, with language and terminology used of a consistently high standard in terms of level, accuracy, and technical content ◆ Demonstrates an accurate and particularly insightful interpretation of the project brief ◆ Provides considerably more than the minimum evidence for each of the three tasks required by the project brief ◆ Embodies non-traditional and innovative solutions ◆ Solutions are of a high standard in terms of level, accuracy and technical content ◆ Effectively consolidates and integrates required knowledge and skills ◆ Includes rationale and justification for solutions proposed 	<p>Is a co-ordinated piece of work which has a balance of strengths and weaknesses and:</p> <ul style="list-style-type: none"> ◆ Addresses the main objectives but not necessarily all of them in terms of cost and quality ◆ Has amplified the initial project brief in arriving at the solutions submitted but not necessarily expanded it ◆ Treats proposed investigation, conclusions and recommendations in isolation ◆ Has accessed a narrow range of available data and design guidance ◆ Is satisfactorily structured, with language and terminology used adequately, although not always consistent, in terms of level, accuracy, and technical content ◆ Demonstrates an acceptable interpretation of the project brief ◆ Provides the minimum evidence for each of the three tasks required by the project brief ◆ Embodies only routine and traditional solutions ◆ Solutions are adequate in terms of level, accuracy and technical content ◆ Integrates knowledge and skills but consolidation may not be effective in all aspects ◆ Presents proposed solutions without justification

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

Grade A	Grade C
<ul style="list-style-type: none"> ◆ Offers logically structured and coherently expressed responses, demonstrating consistent use of correct terminology ◆ Clearly identifies key areas for improvement reflecting on technical solutions chosen compared with the initial objectives ◆ Clearly identifies key areas for improvement when undertaking the work to the defined time line action plan ◆ Clearly demonstrates the candidate's ability to work autonomously with minimum tutor support or intervention 	<ul style="list-style-type: none"> ◆ Offers uneven responses that convey limited understanding although some relevant points are made ◆ Assumes the technical solutions chosen as the 'most appropriate' with minimal retrospective comparison with initial objectives ◆ Achieves Outcomes with minimal evaluation against the time line plan ◆ Achieves the answers although additional tutor support and intervention was required

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.

A = 70% — 100%
 B = 60% — 69%
 C = 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 15%	<p>An Action Plan that includes:</p> <ul style="list-style-type: none"> ◆ the aims of the assessment task, including research, development, and evaluation for the Architectural Conservation investigation ◆ timescales for achieving these aims ◆ the rationale for selecting the building to be researched ◆ identification of the main issues for research including the history and architectural style of the building, previous, present and proposed uses of the building ◆ identification of the methods of research and sources to be used ◆ health and safety issues <p>Minimum evidence: 500 words.</p> <p><i>The candidate must achieve all of the minimum evidence specified above in order to pass the Planning stage.</i></p>
Stage 2 — Developing 70%	<p>An Investigation Report including evidence of:</p> <ul style="list-style-type: none"> ◆ collection and collation of further research undertaken ◆ interpretation and analysis of data ◆ analysing the investigation report scenario ◆ summary of the findings and conclusions drawn ◆ presenting recommendations ◆ health and safety issues <p>The report should include:</p> <ul style="list-style-type: none"> ◆ a contents page ◆ a list of acknowledgements of sources and references ◆ a minimum of 3,000 words <p>The report should be supported by:</p> <ol style="list-style-type: none"> 1 A Diary of the activities undertaken during the project. 2 Supportive explanatory material including drawings and photographs. <p><i>The candidate must achieve all of the minimum evidence specified above in order to pass the Developing stage.</i></p>

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

Project stage	Minimum Evidence Requirements
Stage 3 — Evaluating 15%	<p>An Evaluation Report which should:</p> <ul style="list-style-type: none"> ◆ briefly outline the Architectural Conservation investigation ◆ review and update the action plan in light of experience ◆ summarise any unforeseen events and how they were handled ◆ identify any knowledge and skills that have been gained and/or developed ◆ assess the strengths and weaknesses of the main body of the investigation report ◆ assess the effectiveness of the action plan ◆ assess the effectiveness of the research methods used. ◆ determine to what extent the investigation covers the topic <p>1 Minimum written evidence: 500 words.</p> <p><i>The candidate must achieve all of the minimum evidence specified above in order to pass the Evaluating stage.</i></p>

Support notes

At this level candidates should work independently within the context of a typical working environment. It is up to centres to take reasonable steps to ensure that the candidates bring their specialist knowledge and experience to the project. For example centres may wish to informally question candidates at various stages on their knowledge and understanding of the investigation on which they have embarked. Centres should ensure that where research etc is carried out in other establishments or under the supervision of others that the candidate does not receive undue assistance. Candidates should be allowed to use appropriate technology within and outwith the college environment.

Specific evidence to document a feasibility study in to the reuse of a redundant listed building should include material which:

- ◆ selects and justifies the selection of a redundant listed building suitable for reuse
- ◆ identifies the importance of the building in terms of its listing
- ◆ identifies and specifies the constructional changes to be made as part of the feasibility study
- ◆ draws the ‘before’ and ‘after’ details of the changes, including maps and location plans.
- ◆ takes photographs of the building
- ◆ surveys the building
- ◆ draws up a viable and economically sound use of the building
- ◆ evaluates the impact of the changes

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

The evidence, written and/or oral will be assessed for showing:

- ◆ practical skills
- ◆ analytical skills of the planning application
- ◆ problem-solving skills
- ◆ reference to concepts covered in the Group Award
- ◆ self-directed learning

All evidence should be presented to a professional standard as shown in the feasibility studies shown to the candidates.

There should be regular meetings between the tutor and the candidate(s) to review progress and each candidate should record these meetings in a diary, which is required to be submitted as evidence. The candidate can also use the diary to record his or her progress in completing the required tasks and these entries in the diary can serve as authentication of work by the candidate. The tutor can use the opportunity of the meetings to verify this authentication, for example by questioning the candidate.

Each assessment task should be marked as soon as possible after the completion date. The final grading should reflect the quality of the candidate's evidence at the time of the completion date, including any oral presentation required.

Opportunities for developing Core Skills

Communication at SCQF level 6. Candidates will be required to read materials relating to the history and listing for the listed building. If candidates produce written reports or essays this will provide opportunities to develop Written Communication.

Numeracy at level SCQF level 6. This Unit offers candidates the opportunity to use graphical information as part of their answers which will provide opportunities to develop the Core Skill of *Numeracy*.

Information and Communication Technology at SCQF level 6. This Unit offers candidates the opportunity to research, source information, and produce evidence using ICT.

Problem Solving at SCQF level 6. Candidates will be required to carry out an appraisal of new uses for a listed building which will provide opportunities to develop the Core Skill of Critical Thinking.

The following grid provides a general guide to opportunities for the development of Core Skills in this Graded Unit.

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

Core Skill		Stage 1	Stage 2	Stage 3
1 Communication				
Written Communication	(Reading) (Writing)	SCQF level 6		SCQF level 6
Oral Communication				
2 Numeracy				
Using Number				
Using Graphical Information		SCQF level 6	SCQF level 6	SCQF level 6
3 Information and Communication Technology				
Using Information Technology		SCQF level 6	SCQF level 6	SCQF level 6
4 Problem Solving				
Critical Thinking		SCQF level 6	SCQF level 6	SCQF level 6
Planning and Organising		SCQF level 6	SCQF level 6	SCQF level 6
Reviewing and Evaluating		SCQF level 6	SCQF level 6	SCQF level 6
5 Working with Others				
Working with Others		SCQF level 6	SCQF level 6	SCQF level 6

Equality and inclusion

This graded unit specification has been designed to ensure that there are no unnecessary barriers to learning or assessment. The individual needs of learners should be taken into account when planning learning experiences, selecting assessment methods or considering alternative evidence.

Further advice can be found on our website www.sqa.org.uk/assessmentarrangements.