



Higher National Unit Specification

General information for centres

Unit title: Construction Crafts: Painting, Conservation and Restoration

Unit code: F4Y7 34

Unit purpose: This Unit is designed to prepare candidates for a career in the construction industry with a sympathetic view to Conservation of traditional paintwork. The Unit begins at the preliminary stages of Conservation in paintwork and focuses on the investigation into what may be classed as Conservation and Restoration of traditional paintwork. The Unit is aimed at taking candidates through an understanding of traditional paints, the environmental impact of paints and the need to use compatible paint systems in Conservation and Restoration.

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

- 1 Explain the preliminary investigation and analytical processes adopted in the conservation and restoration of paintwork in traditional buildings.
- 2 Prepare previous paintwork for conservation and restoration.
- 3 Apply compatible paint relative to existing decoration.

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 Access 1 to Doctorates.*

Recommended prior knowledge and skills: Although not essential it would be beneficial if candidates had a basic knowledge and understanding of the construction industry. Knowledge of Painting and Decorating processes would be an advantage although not essential.

Core Skills: There are opportunities to develop the Core Skills of *Communication, Information Technology* and *Problem Solving* all at SCQF level 5 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 another Group Award, it is recommended that it should be taught and assessed within the subject area of the Group Award to which it contributes.

General information for centres (cont)

Assessment: It is possible to assess candidates either on an individual Outcome basis or combinations of Outcomes or could be by a single holistic assessment combining all Outcomes, not exceeding 3 hours in duration.

Outcome 1

The assessment paper/s for this particular Outcome should be composed of a proposed project for which paintwork in traditional buildings is to be investigated and analysed to create a report on the process that should be adopted to conserve or restore paintwork in traditional buildings.

Outcome 2

The assessment for this Outcome is based on previously painted simulated traditional paintwork. Each candidate should correctly prepare the paintwork for conservation and restoration.

Outcome 3

The assessment for this Outcome is based on a previously prepared example of traditional paintwork. Each candidate should correctly prepare and apply suitable paint for conservation and restoration.

Higher National Unit specification: statement of standards

Unit title: Construction Crafts: Painting Conservation and Restoration

Unit code: F4Y7 34

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

Explain the preliminary investigation and analytical processes adopted in the conservation and restoration of paintwork in traditional buildings

Knowledge and/or Skills

- ◆ Purpose of carrying out an investigation and analysis
- ◆ Preliminary investigation undertaken before conservation and restoration of the paintwork commences
- ◆ Techniques for analysing surface coatings

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can:

- ◆ explain the techniques used for the preliminary investigation in analysing traditional paintwork prior to any practical work being undertaken on traditional paintwork
- ◆ show that they understand the purpose of the investigation

Assessment Guidelines

The assessment paper/s for this particular Outcome should be composed of a proposed project for which traditional paintwork is to be investigated and analysed to create a report on the process that should be adopted to conserve or restore traditional paintwork.

One hour could be allowed for the assessment of this Outcome.

Higher National Unit specification: statement of standards (cont)

Unit title: Construction Crafts: Painting Conservation and Restoration

Outcome 2

Prepare previous paintwork for conservation and restoration

Knowledge and/or Skills

- ◆ Previous traditional paintwork
- ◆ Methods of preparation
- ◆ Health and safety issues when dealing with traditional paintwork and building materials (Lead paints Act 1972)
- ◆ Environmental issues (VOC'S in paint)

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can:

- ◆ sympathetically prepare the traditional paintwork for conservation and restoration using the correct preparatory methods.
- ◆ adhere to environmental issues relating to materials used (VOC'S).
- ◆ correctly adhere to health and safety when carrying out activities. Candidates must consider health and safety requirements when using traditional paintwork and building materials. Consideration must be given to materials which may contain lead or other poisonous materials (Lead paints Act 1972).

Assessment Guidelines

The assessment for this Outcome is based on previously painted simulated traditional paintwork. Each candidate could analyse and identify the paintwork and correctly prepare the project for conservation and restoration.

Evidence could be generated through assessment which may be undertaken in controlled, supervised conditions.

One hour could be allowed for the assessment of this Outcome.

Higher National Unit specification: statement of standards (cont)

Unit title: Construction Crafts: Painting Conservation and Restoration

Outcome 3

Apply compatible paint relative to existing paintwork

Knowledge and/or Skills

- ◆ Kinds of paint to be used
- ◆ Preparation of paints and materials to be used
- ◆ Conservation and restoration materials and paints
- ◆ Health and Safety (COSHH) 1988

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can:

- ◆ correctly prepare paints and materials prior to application
- ◆ sympathetically apply paint/materials to conserve and restore existing paintwork
- ◆ correctly adhere to methods and activities in terms of health and safety (COSHH) 1988

Assessment Guidelines

The assessment for this Outcome is based on a previously prepared example of traditional paintwork. Each candidate should correctly select prepare and apply suitable paint for conservation and restoration.

Evidence could be generated through assessment undertaken in controlled, supervised conditions.

One hour could be allowed for the assessment of this Outcome.

Administrative Information

Unit code: F4Y7 34

Unit title: Construction Crafts: Painting, Conservation and Restoration

Superclass category: TG

Original date of publication: August 2008

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History of changes:

Version	Description of change	Date

Source: SQA

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Higher National Unit specification: support notes

Unit title: Construction Crafts: Painting Conservation and Restoration

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 has been developed to allow candidates to gain knowledge, understanding and skills in the following areas:

- 1 Explain the preliminary investigation and analytical processes adopted in the conservation and restoration of paintwork in traditional buildings.
- 2 Prepare previous paintwork for conservation and restoration.
- 3 Apply compatible paint relative to existing decoration.

This Unit is at SCQF level 7 and is a mandatory Unit within the new HND Architectural Conservation. It is also suitable for delivery as a freestanding Unit.

Candidates must meet the minimum Evidence Requirements as specified in the statement of standards section. A recommendation as to how much time could be spent on each Outcome has also been given. This has been included to help lecturers decide what depth of treatment could be given to the topics attached to each of the Outcomes. Whilst it is not mandatory for a centre to use this list of topics it is strongly recommended that it does so to ensure continuity of teaching and learning across the units and because the assessment exemplar pack for this Unit is based on the knowledge and/or skills and list of topics in each of the Outcomes.

The list of topics is given below. Lecturers are advised to study this list of topics in conjunction with the assessment exemplar pack so that they can get a clear indication of the standard of achievement expected of candidates in this Unit.

Higher National Unit specification: support notes (cont)

Unit title: Construction Crafts: Painting Conservation and Restoration

Outcome 1

Explain the preliminary investigation and analytical processes adopted in the conservation and restoration of paintwork in traditional buildings.

- ◆ clients' needs
 - conservation or restoration
- ◆ existing construction
 - design, age, use
- ◆ existing materials
 - type, use, where are they situated?
 - why were they used? How were they applied?
- ◆ techniques originally adopted
 - why were they used?
- ◆ colours

Outcome 2

Prepare previous paintwork for conservation or restoration.

- ◆ existing materials
 - type, use, where are they situated?
 - why were they used? how were they applied?
- ◆ techniques originally adopted
 - preparatory techniques
 - what is required?
 - what methods are appropriate?
- ◆ decorator's tools
- ◆ cleaners
- ◆ solvents
- ◆ P.P.E
- ◆ environmental issues (VOC'S)
- ◆ Health and Safety at Work Act 1974

Higher National Unit specification: support notes (cont)

Unit title: Construction Crafts: Painting Conservation and Restoration

Outcome 3

Apply compatible paint relative to existing decoration.

- ◆ existing materials
 - type, use, where are they situated?
 - why were they used? how were they applied?
- ◆ techniques originally adopted
 - preparation of materials
 - what is required?
 - what methods are appropriate?
- ◆ paint systems
 - application methods
 - brush, roller, spray
- ◆ colours
- ◆ decorator's tools
- ◆ cleaners
- ◆ solvents
- ◆ P.P.E
- ◆ Health and Safety at Work Act 1974
- ◆ Control of Substances Hazardous to Health (COSHH) 1988

Guidance on the delivery and assessment of this Unit

Where this Unit is incorporated into other Group Awards it is recommended that it be delivered in the context of the specific occupational area(s) that the award is designed to cover.

Details on approaches to assessment are given under Evidence Requirements and Assessment guidelines under each Outcome in the Higher National Unit specification: statement of standards section. It is essential that these sections be read carefully before proceeding with assessment of candidates.

Higher National Unit specification: support notes (cont)

Unit title: Construction Crafts: Painting Conservation and Restoration

Throughout the Unit emphasis will be placed where appropriate on the application of Health and Safety and Sustainability. Safe working practises should be looked at in accordance with current safety codes of practise and regulations. Sustainability should include reference to criteria affecting sustainability, impact of not implementing sustainability on the environment and the legislation promoting sustainability.

Opportunities for developing Core Skills

The following grid provides a general guide to opportunities for the development of Core Skills in this Unit. Opportunities for the development of Core Skills at the output level are more fully identified in the Core Skills Sign Posting Guide.

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

Higher National Unit specification: support notes (cont)

Unit title: Construction Crafts: Painting Conservation and Restoration

Open learning

This Unit could be delivered by distance learning, which may incorporate some degree of on-line support. However, with regard to assessment, planning would be required by the centre concerned to ensure the sufficiency and authenticity of candidate evidence. Arrangement would be required to be put in place to ensure that the assessment, which is required to be at a single event, was conducted under controlled, supervised conditions.

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. Further advice can be found in the SQA document *Guidance on Assessment Arrangements for Candidates with Disabilities and/or Additional Support Needs* (www.sqa.org.uk).

General information for candidates

Unit title: Construction Crafts: Painting Conservation and Restoration

This Unit is designed to prepare you for a career in the construction industry where Construction Crafts: Painting Conservation and Restoration are central to operations. This Unit is suited to Paint conservationists, building surveyors, quantity surveyors, contracts managers, architects and client advisers, who are involved in construction projects from their inception through to completion in relation to painting, conservation and restoration.

In Outcome 1 you will explain the preliminary investigation and analytical processes adopted in the conservation or restoration of paintwork in traditional buildings. In particular, investigating the existing traditional building's construction, design, age and use, what materials have been used in the decoration, how they were applied and why these materials were originally chosen.

In Outcome 2 you will prepare previous paintwork for conservation and restoration. Identifying surface coatings and using the correct tools/methods and preparation techniques of previous paint surfaces identified.

Candidates will develop in relation to painting conservation an understanding of:
Environmental issues; (VOC'S)
Health and safety at work act 1974;
Control of substances hazardous to health (COSHH) 1988;

In Outcome 3 you will apply compatible paint relative to existing decoration. Each candidate will develop hand skills to apply paint materials correctly according to traditional application techniques. How to prepare the paints in a traditional manner and what tools to use for each task.

This Unit is designed to prepare you for a career in the construction industry with a sympathetic view to Conservation and restoration of traditional paintwork. The Unit begins at the preliminary stages of Conservation in paintwork and focuses on the investigation into what may be classed as Conservation and Restoration of traditional paintwork. The Unit is aimed at taking you through an understanding of traditional paints, the environmental impact of paints and the need to use compatible paint in Conservation and Restoration.

Overall you will be expected to understand methods of investigation into identifying traditional paint surfaces. You should understand why they were used and adopt the correct methods of preparation, application and traditional painting materials to use.

There are opportunities for you to develop the Core Skills of *Communication*, *Information Technology* and *Problem Solving* all at SCQF level 5 in this Unit, although there is no automatic certification of Core Skills or Core Skills components.