

## National Unit Specification: General Information

**UNIT** Craft Appreciation in Construction Craft Skills

**NUMBER** D918 11

### COURSE

### SUMMARY

This unit will be suitable for candidates who have limited or no knowledge of craft practices. The outcomes require the candidate to set out elementary craft projects, apply craft skills across a range of crafts and to maintain a positive working relationship with members of a team whilst engaged in planning, organising, setting out and applying craft skills in a multi-craft project. Candidates who achieve this unit should feel confident in undertaking basic craft projects and in progressing to units based on a single craft when competences gained in this unit will be further developed and applied.

### OUTCOMES

- 1 set-out projects for a single craft.
- 2 carry out single craft projects.
- 3 carry out skilled tasks within multi-craft projects.

### RECOMMENDED ENTRY

Candidates enrolling for this unit do not need any prior experience in this area. It would be an advantage however if candidates were undertaking unit, D920 11 Cutting, Shaping and Working Building Materials/Components Using Hand and Power Tools.

### CREDIT VALUE

2 Credits at Intermediate 2.

---

## Administrative Information

**Superclass:** TG

**Publication date:** December 1998

**Source:** Scottish Qualifications Authority

**Version:** 01

© Scottish Qualifications Authority 1999

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

Additional copies of this specification can be purchased from the Scottish Qualifications Authority. The cost is £2.50.

## **CORE SKILLS**

Information on the automatic certification of any core skills in this unit is published in *Automatic Certification of Core Skills in National Qualifications* (SQA, 1999).

## **National unit specification: statement of standards**

**UNIT**            Craft Appreciation in Construction Craft Skills

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 the Scottish Qualifications Authority.

### **OUTCOME 1**

Set-out projects for a single craft.

#### **Performance Criteria**

- a)        The work area is prepared by removing unnecessary obstructions prior to the commencement of setting out.
- b)        The selection, use and care of setting out tools and equipment is correct.
- c)        The projects are set out in accordance with recognised practice.
- d)        Work methods and activities comply with current health and safety regulations.

#### **Note on range for the outcome**

The range statement for this outcome is fully expressed within the performance criteria.

#### **Evidence Requirements**

Evidence of actual performance is needed to show the candidate can set out five projects, covering at least 3 different crafts. At least two projects will be based on workshop activity and at least two from site activity which may be simulated.

### **OUTCOME 2**

Carry out single craft projects.

#### **Performance Criteria**

- a)        The preparation and handling of materials and components is in accordance with recognised practice.
- b)        The selection, use and care of tools and equipment is correct.
- c)        The finished project meets the minimum quality stated on the specification checklist.
- d)        Work methods and activities are correct in terms of:
  - (i)        sequencing operations;
  - (ii)        minimising wastage of materials;
  - (iii)        complying with current safety regulations.

#### **Note on range for the outcome**

Projects to be covered within this outcome are based on using natural materials; manufactured materials and manufactured components.

Current health and safety legislation must be complied with throughout.

## **National unit specification: statement of standards (cont)**

**UNIT**            Craft Appreciation in Construction Craft Skills

### **Evidence Requirements**

Evidence of actual performance is needed to show the candidate can, within five projects, prepare at least five different materials, make at least one component, build at least one component, apply at least one material to a surface area and fix components to a surface area.

Written and/or oral evidence, assessed by open book, is needed to show the candidate can state the personal protective equipment applicable for each project undertaken.

### **OUTCOME 3**

Carry out skilled tasks within multi-craft projects.

### **Performance Criteria**

- a) The work area is prepared by removing unnecessary obstructions prior to the commencement of setting out.
- b) The selection, use and care of setting out tools and equipment is correct.
- c) Effective participation in the project results in:
  - (i) planning and achieving the required individual remit;
  - (ii) seeking and providing information from other members of the group;
  - (iii) identifying strengths or weaknesses of personal contribution and that of others.
- d) Work methods and activities comply with current health and safety legislations.

### **Note on range for the outcome**

Crafts to be covered in this outcome are: trowel crafts; woodworking crafts; decorative crafts.

### **Evidence Requirements**

Evidence of actual performance is needed to show the candidate can, as one of a team, participate effectively in planning, organising, setting out and completing allocated skilled tasks to aid completion of a multi-craft project.

Written and/or oral evidence assessed by closed book is needed to show the candidate can plan and monitor an allocated practical task and compile a materials requisition form for a multi-craft project.

## National unit specification: support notes

### UNIT            Craft Appreciation in Construction Craft Skills

This part of the unit specification is offered as guidance. None of the sections of the support notes is mandatory.

#### **GUIDANCE ON CONTENT AND CONTEXT**

This unit is designed to introduce the candidate to skills normally associated with construction crafts, including planning, organising, setting-out and completing fairly elementary projects. Projects will range from working independently on a range of single craft projects to working as one of a team on a multi-craft project when effective participation with others will form an important part of the unit. Prescriptive projects are not outlined within the unit specification in order to allow centres to develop projects suitable to their logistical and specialised situation. It is envisaged that many candidates will have little or no previous experience of working on the range of projects contained within this unit.

Underpinning the practical skills is the need to plan and monitor project work. Whilst it is imperative that all activities are carried out in compliance with relevant health and safety regulations it is intended that only a basic understanding is summatively assessed.

Corresponding to outcomes 1 to 3:

- 1        This outcome requires the candidate to set out five projects covering at least 3 different crafts, when emphasis should be given to working in an organised manner in terms of ensuring a clear and safe working space and in working accurately. Different methods of setting out, based on sound principles, will be experienced across the range of projects although commonality on many procedures should prevail.
- 2        This outcome should enable the candidate to develop practical skills on a range of projects whilst experiencing techniques associated with manufacture, construction and application of materials/components. The use of personal protective equipment and the need to comply with safety regulations should be an integrative part of all relevant activities. Materials and components could be timber, paint, glass, sheet material, bricks, blocks, roof tiles, wall tiles, mortar, plaster, proprietary fixings ironmongery.
- 3        This outcome should enable the candidate to develop skills in working with others in, planning, organising and carrying out allocated craft activities to bring to completion a multi-craft project. The candidate may manufacture, construct or apply materials/components individually or as one of a sub-group within the project. Safe working practices in group work should be fully understood when consideration on the safety of other group members will have great significance.

## **National unit specification: support notes (cont)**

**UNIT**            Craft Appreciation in Construction Craft Skills

### **GUIDANCE ON TEACHING AND LEARNING APPROACHES**

Outcomes 1 and 2 could be fully integrated for each project undertaken and in some cases it should be possible to integrate the practical activities in outcome 2 with those in outcome 3. Products manufactured individually in outcome 2 could form part of the group project in outcome 3 such as coping stones, lintels, joinery components etc. Since the content of this unit is associated with a number of construction crafts, an integrated approach should be possible when the candidate is undertaking other units having a practical skills bias. The content will normally be taught by more than one tutor/trainer when, for each craft activity, integration should be implemented where possible.

### **GUIDANCE ON APPROACHES TO ASSESSMENT**

Centres may use the Instruments of Assessment which they consider to be the most appropriate. Examples are given below:

Outcomes 1 and 2

Practical Exercise

The candidate should be provided with a clear brief which will normally include a working drawing outlining the content and performance criteria for each specific project to be undertaken. Competence will be based on the candidate completing all five projects in accordance with the stated requirements.

A checklist will be developed to record the evidence.

Objective Questions

Questions will be set to assess the candidate's knowledge of operational safety in line with the evidence requirements for outcome 2.

Outcome 3

Practical Exercise

The candidate, as one of a team, will participate in planning, organising, setting out and carrying out an allocated activity within a multi-craft project. Competence will be based on the candidate achieving his/her individual remit which will include co-ordinating own work with that of others, a qualitative requirement and agreed tolerances for dimensional positioning. It will be possible for the candidate to succeed without the group project being completed.

A checklist will be developed to record the evidence.

## National unit specification: support notes (cont)

**UNIT**            Craft Appreciation in Construction Craft Skills

A materials requisition form and a detailed drawing will be presented to the candidate who will require to requisition all materials/components.

An appropriate project could be:

- 1        Designing a project to incorporate building three brickwork piers with timber partitions between the piers clad with plywood of a thickness which would facilitate recycling, or plasterboard. The partitions, designed with openings, could be used for, installing timber manufactured and painted components, glazing, application of surface coatings and components. Fixtures such as sanitary ware, pipework, service ducting, notice boards or cabinets could also form part of the project. The piers could be utilised for applied finishes.
- 2        Designing a project to incorporate a right angled corner of a timber framed house when tasks could include brick underbuilding, ground floor joists, timber wall panels with openings, brick skin, rendering, component manufacture and fitting, internal finishes, vertically hung tiling.

### **SPECIAL NEEDS**

This unit specification is intended to ensure that there are no artificial barriers to learning or assessment. Special 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 Special Assessment and Certification Arrangements* (SQA, 1998).