



## Higher National Unit specification

### General information for centres

**Unit title:** Golf Course Management: Design and Construction of Golf Course Features

**Unit code:** F0VV 34

**Unit purpose:** This Unit is designed to enable candidates to develop the knowledge and skills required to evaluate golf course design, plan a golf course and construct a golf course hole. On completion of the Unit the candidate should be able to identify and appraise different golf course types, their design and layout principles relating to the game of golf, and construction methods including Specifications, Bills of quantity and Tender Documents.

- 1 Evaluate course design in the context of design principles for the game of golf and course management.
- 2 Plan and produce a drawing for a new 18 hole golf course for a given site.
- 3 Prepare a programme of work for the construction of one complete golf hole.

**Credit points and level:** 2 HN credits at SCQF level 7: (16 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:** Entry to this Unit is at the discretion of the centre. However, it is recommended that the candidate has achieved the National Certificate in Greenkeeping (G5TG 04), especially Units:

- ◆ E9E7 11 *Golf Course Design and Layout*
- ◆ E9A4 11 *Golf Course Construction: Greens and Tees*
- ◆ E98Y 11 *Golf Course Construction: Bunkers*

**Core Skills:** There are opportunities to develop the Core Skill of *Communication, Numeracy* and *Problem Solving* at SCQF level 6 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 a 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:** This Unit is assessed by three assessments. Outcome 1 is assessed by a report. Outcome 2 is assessed by an Assignment and Outcome 3 is assessed by portfolio of evidence. There are opportunities for integration of assessment between Outcomes 2 and 3. Assessment should reflect the teaching approach taken by an individual centre. An integrated approach to assessment is highly recommended. Achievement of those Units listed in the Context for Delivery section will contribute to completion of the Unit assessments.

## **Higher National Unit specification: statement of standards**

**Unit title:** Golf Course Management: Design and Construction of Golf Course Features

**Unit code:** F0VV 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**

Evaluate course design in the context of design principles for the game of golf and course management

#### **Knowledge and/or Skills**

Golf course environments:

- ◆ Links land
- ◆ Park land
- ◆ Heath land
- ◆ Moor land

Design philosophies of golf course design and suitability for the game of golf:

- ◆ Penal
- ◆ Strategic
- ◆ Heroic
- ◆ Ease of maintenance

#### **Evidence Requirements**

Appraisal of an 18 hole golf course with reference to the fundamental design philosophies, course type, course layout, length, size, hazards, trees, shrubs and aesthetic appeal.

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

- ◆ identify different types of golf course environments
- ◆ define the design terms, Penal, Strategic and Heroic
- ◆ explain the design requirements for ease of maintenance
- ◆ appraise golf course components

## **Higher National Unit specification: statement of standards (cont)**

**Unit title:** Golf Course Management: Design and Construction of Golf Course Features

### **Assessment Guidelines**

Outcome 1 is assessed by a Report. Assessment could be achieved by comparing the different types of golf course environments from visits to classic examples of golf course types noting the various design philosophies applied with reference to all the components of design and ease of maintenance.

Assessment should comply with a standard report format and should not exceed 1,000 words.

The appraisal Element should form a written report, conforming to a given format, on a named golf course, hole by hole describing all design-philosophy components, good and bad, photographs, diagrams and illustrations should be encouraged to enhance the appraisal. The assessment should be conducted under open-book (no restrictions) conditions.

### **Outcome 2**

Plan and produce a drawing for a new 18 hole golf course for a given site

#### **Knowledge and/or Skills**

- ◆ Land contours and how they can be utilised for golf course design
- ◆ The use of scale to draw and interpret length and distance
- ◆ Golf course design philosophy
- ◆ Drawing skills for the production of neat, legible, well presented plans to scale
- ◆ Interpretive skills

#### **Evidence Requirements**

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

- ◆ submit plan drawings to scale including interpretive keys supported with a written description/explanation of the candidate's golf course design
- ◆ the written description should include design philosophy over at least two holes

### **Assessment Guidelines**

Outcome 2 is assessed by an Assignment. This requires the creation of a unique 18 hole golf course plan to scale 1:2000, 1:2500, designed to a set brief, following Dr Alister Mackenzie's guidelines, within the boundaries of the area, inclusive and restrictive parameters eg, plantations, water, slope and mounds must be considered. The assessment should be conducted under open-book (no restrictions) conditions. The assessment for this Outcome may be integrated with that for Outcome 3.

## **Higher National Unit specification: statement of standards (cont)**

**Unit title:** Golf Course Management: Design and Construction of Golf Course Features

### **Outcome 3**

Prepare a programme of work for the construction of one complete golf hole

#### **Knowledge and/or Skills**

- ◆ A range of construction methods
- ◆ Scale drawing and interpretation of the drawing
- ◆ Estimated resource requirements
- ◆ Estimated costs
- ◆ Installation methods
- ◆ Specification documents
- ◆ Quantities of materials and calculations for area and volume
- ◆ The importance of producing specifications
- ◆ Bill of Quantities and Tender Documents

#### **Evidence Requirements**

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

- ◆ submit a scaled up drawing eg scale 1:500 for one complete golf hole
- ◆ identify the various components of the hole to be constructed
- ◆ prepare calculations of area and volume to a specification of the various components
- ◆ provide costs for the materials of the various components
- ◆ submit documents for Bills of Quantities, Specifications along with a Tender document
- ◆ describe in a portfolio the sequence of events with evidence of practical construction work

#### **Assessment Guidelines**

Outcome 3 is assessed by a Portfolio. The portfolio of work could be from an existing ongoing practical construction project, supported by documentation gathered during construction, or alternatively, a portfolio could be produced by developing one of the holes from the plan drawing from Outcome 2. One complete hole should be scaled up for the purposes of calculating area and volume to provide quantities and costs. This alternative will facilitate those students who do not have access to a practical construction project. In this way the assessment for this Outcome may be combined with that of Outcome 2. The assessment should be conducted under open-book (no restrictions) conditions.

## Administrative Information

<b>Unit code:</b>	F0VV 34
<b>Unit title:</b>	Golf Course Management: Design and Construction of Golf Course Features
<b>Superclass category:</b>	SF
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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:** Golf Course Management: Design and Construction of Golf Course Features

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 80 hours.

### **Guidance on the content and context for this Unit**

This Unit is devised for use by students undertaking the HNC/HND in Golf Course Management and, as such, is complementary to other Units within that Award. There are significant opportunities for integration of teaching and learning with other Units in this Award: *Selection and Management of Machinery; Preparation, Presentation and Management of Golf Course Budgets; Supervision and Management; Managing Turf Areas*.

### **Guidance on the delivery and assessment of this Unit**

There are significant opportunities for integration of teaching and learning with other Units in this Award: *Selection and Management of Machinery; Preparation, Presentation and Management of Golf Course Budgets; Supervision and Management; Managing Turf Areas*.

This Unit is assessed by three assessments and the assessments for Outcomes 2 and 3 should be of a practical nature. An integrated approach to assessment is highly recommended. There are opportunities for integration of assessment between Outcomes 2 and 3. Assessment should reflect the teaching approach taken by the individual centre. Achievement of those Units listed above will contribute to completion of the Unit assessments.

#### ***Opportunities for developing Core Skills***

There are opportunities to develop the Core Skill of *Communication, Numeracy* and *Problem Solving* at SCQF level 6 in this Unit, although there is no automatic certification of Core Skills or Core Skills components.

### **Open learning**

This Unit is entirely suitable for delivery by open learning and other flexible delivery modes. Where this is the case it is essential that the candidate has access to a range of golf course types eg links, park land, moor land, etc. It is also desirable, though not essential, that the candidate is in employment in a golf related industry.

### **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](http://www.sqa.org.uk)).

## General information for candidates

### Unit title: Golf Course Management: Design and Construction of Golf Course Features

On completion of the Unit you should be able to: identify and appraise different golf course types, their design and layout principles relating to the game of golf, and construction methods including Specifications, Bills of quantity and Tender Documents.

- 1 For Outcome 1 you will learn about course design for the game of golf and ease of course management.

Golf course environments; links land; park land; heath land; moor land.

The fundamental design Philosophies of golf course design and suitability for the game of golf: Penal; Strategic; Heroic; Ease of maintenance.

You will be assessed on your ability to: appraise an 18 hole golf course with reference to the Fundamental Design Philosophies, course type, course layout, length, size, hazards, trees, shrubs and aesthetic appeal.

- 2 Outcome 2 is about golf course design and layout principles relating to the game of golf. You will learn about land contours and how they can be used for golf course design, the use of scale to draw and interpret length and distance. Startling

You will need to produce evidence for assessment to demonstrate that you can: Plan and produce a drawing for a new 18 hole golf course for a given site.

- ◆ submit plan drawings to scale including interpretive keys supported with a written description/ explanation of your golf course design
- ◆ your written description should include design philosophy over at least two holes

- 3 To complete Outcome 3 you will estimate resource requirements and programme work for the construction of one complete golf hole. You will learn about a range of construction methods, including costs, materials, land movement, equipment, and installation methods required to construct one complete golf hole specifically: Specification documents, quantities of materials and calculations for area and volume; The importance of producing specifications: Bill of Quantities, and Tender Documents; Practical skills to participate in the construction of golf course elements.

In order to complete your assessment you will need evidence to demonstrate that you can:

- ◆ submit a scaled up drawing eg scale 1:500 for one complete, golf hole
- ◆ identify the various components of the hole to be constructed
- ◆ calculate area and volume to a specification of the various components
- ◆ provide costs for the materials of the various components
- ◆ submit documents for Bills of Quantities, Specifications along with a Tender document
- ◆ describe in a portfolio the sequence of events with evidence of practical construction work