



## **Arrangements for:**

**HNC Agriculture**

**Group Award Code: G907 15**

**HND Agriculture**

**Group Award Code: G908 16**

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## **Acknowledgement**

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

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# 1 Introduction

This is the Arrangement Document for the revised Group Awards of HNC and HND Agriculture, which were validated in August 2007. This document includes: background information on the development of the Group Awards, their aims, guidance on access, details of the Group Award structures, and guidance on delivery.

These revised awards will replace the HNC and HND awards in Agriculture, which were validated in 2003.

The revised awards are designed to equip candidates with the knowledge, understanding and skills required for success in employment in the wide agriculture and land-based sector or for progression to further academic qualifications.

## 2 Rationale for the revision of the award

### Background

The land-based sector has undergone a period of radical change in response to different drivers, and Lantra — the Sector Skills Council for the Environmental and Land-based Sector — has concluded that the production industries are expected to become more knowledge-intensive in terms of both production technology and environmental impact. The trend towards a more liberated, market-led industry with a widening range of food-safety, environmental, ethical and social responsibilities is set to continue. A strong demand for graduates with scientific and technological knowledge and understanding in the land-based sector is therefore anticipated. The revised awards are intended to enable candidates to gain the required knowledge to meet these demands.

The land-based industries are strongly influenced by EU and UK policies and changes in legislation and regulation. Appendix 1 outlines some of the policies and factors which affect this occupational sector.

The latest review of the HN Agriculture awards has taken place to reflect the changes in practice and legislation (as outline above) and the changes in the SQA's Design Principles for Higher National Qualifications

These revised awards are designed to provide suitably qualified personnel for the agricultural sector, including farm and land management and the associated agricultural supply/support industries.

### 2.1 Market Research, Consultation and Development Process

To ensure that the new qualifications are vocationally relevant and meet the needs of both industry and candidates, market research and consultation was carried out by a Qualifications Design Team (QDT) set up to oversee the development. The QDT was supported by a SQA Development Manager. The QDT met at key stages throughout the consultation and development process.

## Market research

The QDT made use of labour market intelligence and research findings published by various groups, including:

- ◆ Scottish Executive (now Scottish Government) — *Forward Strategy for Scottish Agriculture — Next Steps (2006)*
- ◆ Lantra — *The Key Drivers of Skill Demand in the Environmental and Land-based Sector (2005)*
- ◆ Sector Skills Development Agency — *The UK Skills and Productivity Agenda (2004)*
- ◆ Scottish Executive Environment and Rural Affairs Department — *Annual Agricultural Census Statistics*
- ◆ Copus A and Lloyd J — *Patterns of Change in Agricultural Labour in Scotland 1998-2003 (2006)*

## Consultation

The QDT consulted with a variety of key stakeholders on the development of the revised awards.

Stakeholder	Method of consultation
Candidates	◆ Questionnaire
Delivering Centres	◆ Questionnaire ◆ Meetings
Industry	◆ Questionnaire ◆ Meetings
Lantra (SSC)	◆ Focus groups
HEIs	◆ Meetings

The feedback from consultation confirmed that the revised awards should take cognisance of:

- ◆ Need for greater environmental awareness
- ◆ Greater emphasis on food safety
- ◆ Greater emphasis on quality assurance
- ◆ Specialisation, in particular, crop and livestock enterprises
- ◆ Increase in organic sector
- ◆ Importance of energy input from an economic and environmental perspective
- ◆ Animal welfare
- ◆ Need for increased technical efficiency
- ◆ Increase in legislation and regulation in all aspects of the industry (food, environment, employment)
- ◆ Articulation to Higher Education

## Development process

In response to stakeholder feedback and published research findings, the QDT revised the awards by:

- ◆ including a Farm Power unit to bring the main focus back to the tractor as the primary agricultural power Unit

- ◆ introducing Farm Scale Renewable Energy and Wildlife Management Units to reflect trends within agriculture and to address environmental issues
- ◆ introducing Units in Pasture Management and Crop Physiology and Breeding for candidates wishing to specialize in crop production
- ◆ increasing the optional Units to include Developing Skills for Personal Effectiveness as an alternative to Work Experience to suit mature candidates with an appropriate employment history
- ◆ mapping Core Skills to individual Units rather than the inclusion of dedicated Units
- ◆ incorporating Graded Units into the award structures in line with SQA's Design Principles

The Group Awards will meet the changing needs of the industry and provide a vocationally focused curriculum. They will give candidates the opportunity to gain employment in a variety of positions and enable progression to higher education.

### **3 Aims of the awards**

#### **3.1 General aims of the awards**

- 1 To make a substantial contribution to the educational and training needs of the agricultural and related industries, particularly within a Scottish and UK context.
- 2 To provide flexible entry and exit points to meet the requirements of the candidates.
- 3 To provide part of a coherent and articulated progression route in agricultural education from Certificate to Honours Degree level.
- 4 To encourage and foster the development of Core Skills, including Information Technology, Numeracy, Communication, Problem Solving and Working with Others.
- 5 To provide candidates with an understanding of the environmental and ethical issues relevant to the agricultural industry and to develop a sound appreciation of sustainability within modern farming systems.
- 6 To develop in candidates a culture of life-long learning and an appreciation of the value of knowledge and information.
- 7 To ensure that candidates are fully aware of safe working practices and health and safety issues.

#### **3.2 Specific aims of the awards**

##### **Specific Objectives — HND Year 1 and HNC Agriculture (SCQF level 7)**

- 1 To provide a husbandry-based programme in production agriculture, that, in combination with practical experience and guidance from their manager, would enable candidates to undertake the running of a farm enterprise.
- 2 To develop in candidates the required skills and knowledge in crop production, animal production and mechanisation in an integrative manner and to develop the ability to complete and maintain appropriate records and documents.

- 3 To ensure that candidates are aware of relevant health and safety, animal welfare and environmental issues.
- 4 To provide an appropriate foundation to enable progression to the Higher National Diploma and BSc programmes.

### **Specific Objectives — Year 2 HND Agriculture (SCQF level 8)**

- 1 To provide a vocational programme based on the skills and knowledge required for employment at supervisory/junior managerial level within the agricultural industry and for self-employment in farming or other land-based sectors.
- 2 To ensure that candidates gain the skills, knowledge and understanding of animal and crop production technology, farm mechanisation, business management and managing people which are necessary for a position as a trainee/assistant farm manager or equivalent.
- 3 To ensure that candidates have a sound appreciation of animal welfare, environmental and conservation issues and understand the concept of sustainability.
- 4 To facilitate progression to degree level education based on a sound foundation in applied science and technology, business management, Core Skills, and an understanding of the multifunctional nature of agriculture.

### **3.3 Target groups**

These awards are suitable for a wide range of candidates including:

- ◆ School leavers who wish to follow a career as supervisors and managers in agriculture and land-based industries
- ◆ Existing employees wishing to gain or extend their qualifications
- ◆ Candidates wishing to move on to higher education in an appropriate discipline area

### **3.4 Employment opportunities**

These awards are designed to provide candidates with the knowledge and skills required for a range of roles within the agriculture and land-based industries.

Candidates successfully achieving the HNC award may gain employment as:

- |                          |   |
|--------------------------|---|
| ◆ Farmer (self employed) | ◆ Experimental Assistant                |
| ◆ Herdsman               | ◆ Animal Welfare Officer (SSPCA)        |
| ◆ Shepherd               | ◆ Contractor                            |
| ◆ Dairy Herdsperson      | ◆ Salesperson (machinery, feeds, seeds) |
| ◆ Pig Person             | ◆ Store person                          |
| ◆ Head Herdsperson       | ◆ Livestock Procurement Officer         |
| ◆ Arable Foreman         | ◆ Quality Controller (meats)            |
| ◆ Field Trials Assistant |   |



Candidates successfully achieving the HND award may gain employment as:

- ◆ Farmer (self employed)
- ◆ Assistant Farm Manager
- ◆ Trainee Farm Manager
- ◆ Experimental Officer
- ◆ Field Trials Officer
- ◆ Technical Sales Representative
- ◆ Machinery Ring Manager
- ◆ Overseas (VSO)
- ◆ Agricultural Officer (SEERAD)
- ◆ Operations Manager
- ◆ Crop Adviser

## 4 Access to awards

Access to HNC Agriculture and HND Agriculture awards is at the discretion of the centre. All prospective candidates should be treated fairly in regard to access and centres should ensure that there are no unnecessary barriers to entry.

It is the responsibility of centres to ensure that candidates have the formal qualifications and/or work experience and enthusiasm for the vocational area that would give them a reasonable chance of successfully achieving the awards. No prior knowledge of agriculture is necessary for entry, but relevant prior experience or qualifications would be of benefit.

As with all SQA qualifications, open access is encouraged and the following recommendations are for guidance only.

### 4.1 Formal Qualifications

Examples of appropriate formal entry qualifications are specified below. They are not exhaustive or mutually exclusive and may be considered in a variety of combinations.

- 1 Two SQA Higher level courses (Grade C or above) together with three SQA Standard Grade passes (band 3 or above) and evidence of Numeracy and Communication Core Skills at SCQF level 5.
- 2 An appropriate group of National Units at SCQF level 5 and/or 6.
- 3 Appropriate vocational qualification for example S/NVQ at level 3 (modern apprenticeship) **in** Agriculture.
- 4 Other combinations of National Qualifications, Vocational Qualifications and qualifications from other awarding bodies may be acceptable.

### 4.2 Entry to Year 2 HND

In order to achieve the HND Agriculture candidates must gain 30 SQA credits. Ideally full-time candidates should be encouraged to achieve 15 credits in each year of the award. Wider access should be provided to cater for the needs of those, for example, who have achieved the HNC at day release or evening classes or in other colleges. Candidates would therefore be expected to have a minimum of 12 credits on entry to year 2 and these would include the HNC Agriculture mandatory Units.

### 4.3 Recommended Core Skill entry profile

The recommended Core Skills entry profile for the awards is:

Core Skill	SCQF level
Communication	4
Numeracy	5
Information Technology	4
Problem Solving	4
Working with Others	4

### 4.4 Work experience

Candidates with suitable work experience may be accepted for entry provided that the enrolling centre is satisfied that the candidate is able to cope with the course and is likely to benefit from undertaking the award.

### 4.5 English as an additional language

Where English is not the first language of a prospective candidate, it is recommended that they possess an ESOL qualification or other relevant qualification at SCQF level 5 or equivalent.

## 5 Award(s) structure

The awards have been designed in accordance with SQA's design principles for HN awards, ie:

- ◆ HNCs shall be designed to be at SCQF level 7 and shall comprise 96 SCQF credit points with at least 48 credit points at SCQF level 7. The HNC should include a mandatory section of at least 48 SCQF credit points and include one Graded Unit of 8 SCQF credit points at SCQF level 7.
- ◆ HNDs shall be designed to be at SCQF level 8 and shall comprise 240 SCQF credits points with at least 64 credit points at SCQF level 8. The HND should include a mandatory section of at least 96 SCQF credit points and include one Graded Unit of 8 SCQF credit points at SCQF level 7, plus 16 SCQF credit points of Graded Unit(s) at SCQF level 8.
- ◆ HNC and HND programmes shall incorporate opportunities for candidates to develop Core Skills to levels required by the occupations or progression pathways the HNs support.

## 5.1 Framework

**HNC Agriculture:** 12 credits required — all mandatory

Unit title	Code	SCQF credit points	SCQF level	SQA credit value
Arable Crop Production	F1Y4 34	8	7	1
Crop Protection and Harvesting Mechanisation	F1Y6 34	8	7	1
Environmental Awareness Or Environmental Awareness	F2G8 34 J4RC 34*	8 8	7 7	1 1
Farm Vehicles	HG4Y 34*	8	7	1
Grass and Fodder Crop Production	F1Y9 34	8	7	1
Information Technology: Applications Software 1	D75X 34	8	7	1
Livestock Breeding	F2E6 34	8	7	1
Livestock Growth, Health and Welfare	F2E8 34	8	7	1
Livestock Husbandry and Recording	F2EA 34	8	7	1
Livestock Production Systems	F2ED 34	8	7	1
Soils and Crop Establishment	F1YC 34	8	7	1
Agriculture: Graded Unit 1	F3R3 34	8	7	1

**HND Agriculture:** 30 credits required — 27 mandatory credits + 3 optional credits

Unit title	Code	SCQF credit points	SCQF level	SQA credit value
<b>Mandatory Units</b>				
Arable Crop Production	F1Y4 34	8	7	1
Crop Protection and Harvesting Mechanisation	F1Y6 34	8	7	1
Environmental Awareness Or Environmental Awareness	F2G8 34 J4RC 34*	8 8	7 7	1 1
Farm Vehicles and Power	HG4Y 34*	8	7	1
Grass and Fodder Crop Production	F1Y9 34	8	7	1
Information Technology: Applications Software 1	D75X 34	8	7	1
Livestock Breeding	F2E6 34	8	7	1
Livestock Growth, Health and Welfare	F2E8 34	8	7	1
Livestock Husbandry and Recording	F2EA 34	8	7	1
Livestock Production Systems	F2ED 34	8	7	1
Soils and Crop Establishment	F1YC 34	8	7	1
Land Use Systems	F2GA 35	8	8	1
Plant Protection	F2B3 34	8	7	1
Financial Records for Business	F26G 34	8	7	1
Agricultural Produce: Quality and Processing	F2E4 35	8	8	1

Crop and Livestock Mechanisation	F1Y5 35	8	8	1
Farm Buildings and Controlled Environments	F2G7 35	8	8	1

## HND Agriculture (cont)

Unit title	Code	SCQF credit points	SCQF level	SQA credit value
Farm Manures, Wastes and the Environment	F1Y7 35	8	8	1
Livestock Management Systems	F2EB 35	8	8	1
Livestock Nutrition	F2EC 35	8	8	1
Pasture Management	F1YB 35	8	8	1
Planning, Budgeting and Control	F26F 35	8	8	1
Plant Protection: Integrated Approaches	F1JH 35	8	8	1
Using Financial Accounting Statements	F93H 34*	8	7	1
Agriculture Graded Unit 1	F3R3 34	8	7	1
Agriculture Graded Unit 2	F3R4 35	8	8	1
Agriculture Graded Unit 3	F3R5 35	8	8	1
<b>Optional Units — 3 required</b>				
Agricultural Economics and Marketing in the UK	F2E3 35	8	8	1
Crop Physiology and Breeding	F2AX 35	8	8	1
Developing Skills for Personal Effectiveness	DF4E 34	8	7	1
Farm Scale Renewable Energy	F2G9 35	8	8	1
Human Resource Management: Introduction	J2FH 34*	8	7	1
Organic Production Systems	F1YA 35	8	8	1
Rural Business Diversification	F2EF 35	8	8	1
Specialised Field Crops	F2EG 35	8	8	1
Wildlife Management	F2GB 34	8	8	1
Work Placement	HJ4W 34*	8	7	1

\*Refer to History of Changes for revision changes.

### 5.1.1 Graded Units

The purpose of the Graded Units is to assess the candidate's ability to integrate and apply the knowledge and/or skills gained in individual Units, to demonstrate that they have achieved the aims of the awards, and to grade candidate achievement. The Graded Units will be assessed and a grade of A, B or C will be awarded.

Candidates will take a one credit Graded Unit at SCQF level 7 in the HNC/1st year HND award. HND Candidates will undertake a further two Graded Units at SCQF level 8 in the second year of the HND Group Award.

Graded Unit 1 is a Project based Graded Unit taking the form of an Investigation, which may involve monitoring of crops and livestock performance for up to six months with the analysis and interpretation being carried out towards the end of the HNC/1<sup>st</sup> year HND. Whatever the length of the project, centres should ensure the instructions for the assessment task are distributed to allow candidates sufficient time to plan and carry out the assessment task. Graded Unit 2 is also a project-based Graded Unit taking the form of a Investigation which is likely to be a whole farm business case study and will be undertaken towards the end of the second year of the HND. Graded Unit 3 is an Exam based Graded Unit which will be undertaken towards the end of the second year of the HND. The rationale for including an Exam based Graded Unit is to assist candidates in progressing to higher education.

### 5.1.2 Recommended Core Skills Exit profile

The recommended Core Skills exit profile is:

Core Skill	HNC	HND
	Exit SCQF level	Exit SCQF level
Communication	6	6
Numeracy	6	6
Information Technology	6	6
Problem Solving	6	6
Working with Others	6	6

Appendix 2 contains a Core Skill signposting table which shows where each of the Core Skills may be developed or is embedded within specific Units.

## 5.2 Mapping information

Academic progression within subject groupings of the frameworks is mapped in Appendix 3.

How the Units achieve the aims of the award is shown in Appendix 4.

How the Units map to the National Occupational Standards is shown in Appendix 5.

## 5.3 Articulation, professional recognition and credit transfer

### 5.3.1 Articulation

#### Progression from HNC Agriculture

Candidates achieving the HNC Agriculture will have opportunities to progress to:

#### HND Agriculture

However, it is recommended that candidates undertake three bridging Units within the HNC Group Award to enable them to progress to the HND Agriculture with 15 SQA credits. It is suggested that the bridging Units are *Financial Records for Business* (F26G 34), *Land Use Systems* (F2GA 35) and *Plant Protection* (F2B3 34).

## **Progression from HND Agriculture**

Candidates achieving the HND Agriculture may be able to progress to the following course:

Year 3 of the BSc Agriculture delivered by Scottish Agricultural College and validated by Glasgow University.

Candidates are advised to liaise directly with the HE establishments prior to each year's intake of candidates as Unit credits that count towards entry requirements can vary and applications will be considered on an individual basis.

### **5.3.2 Credit transfer**

Candidates wishing to transfer from an HNC or first part of an HND developed under the 1988 design rules into an HND validated using the 2003 design principles in the same subject area need only achieve (within the 240 SCQF credit points required for the revised HND) Graded Units of 16 SCQF credit points at SCQF level 8 (instead of Graded Units of 8 SCQF credit points at SCQF level 7 and 16 SCQF credit points at SCQF level 8). Candidates are still required to meet the conditions of the revised HND Agriculture award by achieving:

- ◆ the mandatory Units (either by credit transfer or normal study)
- ◆ a Graded Unit or Graded Units of 16 SCQF credit points at SCQF level 8
- ◆ the correct number of credits at the correct SCQF level
- ◆ development of the Core Skills required by the end-users of the Group Award

Candidates may be given credit transfer between the predecessor Units and the revised HN Units. Credit transfer can be given where there is broad equivalence between the subject related content of the Unit or combination of Units.

A table listing where full or partial credit transfer can be given from the predecessor Units to the revised Units is given in Appendix 6.

## **6 Approaches to delivery and assessment**

### **6.1 Content and context**

The HNC and HND Agriculture are specialist award frameworks, enabling candidates to develop and advance skills and knowledge in the core areas of agriculture.

Candidates can augment these studies by selecting from the range of optional Units in related areas as well as skills in professional practice in order to develop a wider skills base.

The awards are aimed at those who wish to embark on a career in the agriculture and land based sector. They are also aimed at those who wish to develop the necessary skills to progress to further training or employment.

The HNC/D awards allow candidates to progress to a range of study options including the BSc Agriculture.

## 6.2 Delivery and assessment

Although the Units in the HNC/HND are designed, and intended, to be delivered as part of the Group Awards it is possible for them to be delivered as stand-alone Units as part of a candidate's individual CPD needs.

Unit delivery will be by a combination of lectures, computer, laboratory and workshop practicals, discussion groups, tutorials and farm and industrial visits.

The awards can be delivered in many different modes of attendance including full-time, part-time and Flexible Learning patterns.

Part-time study may fall into one or more of the following patterns:

- ◆ Discrete HNC/HND courses run over a number of years
- ◆ Cluster of Units
- ◆ Continuing Professional Development as required by individual candidates in employment
- ◆ Individual Units selected for personal interest and development

Individual Units could be offered on an open learning or e-line basis, especially if there is the possibility of home based study of more factual information. Under all circumstances, delivering centres will be responsible for ensuring authenticity of candidates' work.

The curriculum design provides an awareness and understanding of essential skills required by those wishing to pursue a career in the agriculture sector. The candidates' ability to identify and apply individual skills in their chosen specialisation within the diverse agriculture sector will be developed, thereby enhancing future employability.

Although centres can choose in what order to teach the Units within the awards, it is envisaged that the primary elements of the mandatory Units in the first year are delivered prior to delivering the Graded Unit. It is important that these elements of the mandatory Units have been delivered before the Graded Unit is assessed.

The assessment strategy of the SQA Design Principles — to encourage a more holistic approach to assessment — has been adopted in this award. The new HN Unit specification places the emphasis on reducing the assessment load for both candidates and centres by devising assessments that assess the entire Unit or join the assessments of Outcomes together. It is strongly recommended that Centres endeavour to integrate assessments wherever possible and encourage the flexible use of evidence in order to enhance the streamlining of assessment.

There are opportunities to integrate some assessments across Units. The logistics of this will depend on the programme in individual centres.

Unit specifications detail the exact Evidence Requirements and assessment procedures for each assessment event. Should centres wish to use different modes of assessment from the recommendation they should seek prior verification from SQA.



### 6.3 Open/Distance Learning

Open learning may be feasible for some Outcomes within some Units in these awards. The great majority of Outcomes rely, however, on developing practical performance skills in the presence of a lecturer and/or fellow candidates. Practical and hands-on activities underpin much of the learning, and so the opportunities for distance learning are restricted. Centres may, however, find it possible to develop solutions for all or parts of some Units provided all Unit and verification requirements are met in full. Full details on the suitability of individual Units for Open Learning are contained in each individual Unit specification.

Technological advances may make the possibility of such creative solutions more widespread in the future, for example, through blended learning, e-learning and online assessment.

Because of the practical nature of many Units, distance/open learning may not be easily accessible. However, a blended approach to learning including on line learning would encourage part-time study by those within relevant employment.

For further information on open learning please refer to the SQA document *Assessment and Quality Assurance of Open and Distance Learning* ([www.sqa.org.uk](http://www.sqa.org.uk)).

## 7 General information for centres

### Disabled candidates and/or those with additional support needs

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering whether any reasonable adjustments may be required. Further advice can be found on our website [www.sqa.org.uk/assessmentarrangements](http://www.sqa.org.uk/assessmentarrangements).

### Internal and external verification

All instruments of assessment used within this/these Group Award(s) should be internally verified, using the appropriate policy within the centre and the guidelines set by SQA.

External verification will be carried out by SQA to ensure that internal assessment is within the national guidelines for these qualifications.

Further information on internal and external verification can be found in *SQA's Guide to Assessment and Quality Assurance for Colleges of Further Education* ([www.sqa.org.uk](http://www.sqa.org.uk)).

## 8 General information for candidates

The HNC and HND Agriculture have been designed to meet the demands and requirements of the agricultural and land-based industries. You will develop relevant practical and Core Skills, and build your competence and understanding in the areas of applied science and technology, business management, economic policy and the environment. Some of these will be studied in both a national and global context and the emphasis throughout is on agriculture as a multifunctional industry.

The main aims of the Group Awards are:

- 1 To develop your general and specialist knowledge, understanding and skills in agriculture which may enable you to aspire to a leadership role in the agricultural industry.
- 2 To provide you with a sound appreciation of the environmental, moral, ethical, legal and sustainability issues relevant to the agricultural industry and an understanding of how agriculture inter-relates with society.
- 3 To develop your ability to analyse and critically evaluate qualitative and quantitative information and data, using it to make sound technical and business decisions.
- 4 To develop your understanding of applied agricultural science and technology, business management and economics and your ability to apply the knowledge and understanding in solving problems associated with the agricultural industry.
- 5 To provide you with a sound understanding of the food quality standards demanded through the food chain and the measures required to achieve these standards.
- 6 To develop the intellectual, practical, numerical, communication, interpersonal and professional development skills to the level expected of a HN graduate.

You will also be given the opportunity to develop the Core Skills of *Communication, Numeracy, Information Technology, Problem Solving* and *Working with Others* during the delivery and assessment of the awards.

The HNC consists of 12 SQA (HN) credits — all mandatory. The HND consists of 30 SQA (HN) credits — 27 mandatory credits and 3 optional credits. You may be assessed through the use of examinations, projects, assignments, and presentations. Your practical skills are assessed through exercises in which you demonstrate competence in the practical activity involved. The HNC Group Award contains one Graded Unit, at SCQF level 7, which takes the form of an investigation. The HND Group Award contains the SCQF level 7 Graded Unit and two Graded Units at SCQF level 8 — one taking the form of an investigation and the other an examination. These Graded Units are used to assess your ability to integrate and apply your knowledge and skills, and to demonstrate that you have achieved the principal aims of the Group Awards. These are the only Units within the Group Awards which are graded.

A variety of learning and teaching approaches may be used during the delivery of the Group Awards, for example, lectures, seminars and visits to businesses. These direct teaching methods are usually supported by directed study of textbooks, journal articles (hard copy or electronic), web-based flexible learning materials and by assignment or project work. Practical skills will be developed through practice in an appropriate learning environment (eg in a laboratory, in the field or on workplace placement).

A range of employment opportunities may be available to you, on completion of your course, including:

- ◆ Farmer (self-employed)
- ◆ Herdsman
- ◆ Shepherd
- ◆ Trainee Farm Manager
- ◆ Crop Advisor
- ◆ Technical Sales Representative
- ◆ Animal Welfare Officer
- ◆ Agricultural Officer

Alternatively, if you complete the HND Agriculture you may progress to a BSc degree course at a Higher Education Institution.

## 9 Glossary of terms

**SCQF:** This stands for the Scottish Credit and Qualification Framework, which is a new way of speaking about qualifications and how they inter-relate. We use SCQF terminology throughout this guide to refer to credits and levels. For further information on the SCQF see Appendix 3 or visit the SCQF website at [www.scqf.org.uk](http://www.scqf.org.uk).

**SCQF credits:** One HN credit is equivalent to 8 SCQF credit points. This applies to all HN Units, irrespective of their level.

**SCQF levels:** The SCQF covers 12 levels of learning. HN Units will normally be at levels 6–9. Graded Units will be at level 7 and 8 (see Section 6 for further information on this).

**Subject Unit:** Subject Units contain vocational/subject content and are designed to test a specific set of knowledge and skills.

**Graded Unit:** Graded Units assess candidates' ability to integrate what they have learned while working towards the Units of the Group Award. Their purpose is to add value to the Group Award, making it more than the sum of its parts, and to encourage candidates to retain and adapt their skills and knowledge.

**Dedicated Unit to cover Core Skills:** This is a non-subject Unit that is written to cover one or more particular Core Skills.

**Embedded Core Skills:** This is where the development of a Core Skill is incorporated into the Unit and where the Unit assessment also covers the requirements of Core Skill assessment at a particular level.

**Signposted Core Skills:** This refers to the opportunities to develop a particular Core Skill at a specified level that lie outwith automatic certification.

**Qualification Design Team:** The QDT works in conjunction with a Qualification Manager/Development Manager to steer the development of the HNC/D from its inception/revision through to validation. The group is made up of key stakeholders representing the interests of centres, employers, universities and other relevant organisations.

**Consortium-devised HNCs and HNDs** are those developments or revisions undertaken by a group of centres in partnership with SQA.

**Specialist single centre and specialist collaborative devised HNCs and HNDs** are those developments or revisions led by a single centre or small group of centres who provide knowledge and skills in a specialist area. Like consortium-devised HNCs and HNDs, these developments or revisions will also be supported by SQA.

## 10 Appendices

- Appendix 1 Policies and Factors affecting the Agriculture and Land-based Sector
- Appendix 2 Core Skills Signposting
- Appendix 3 Progression within the framework
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## Appendix 1: Policies and Factors affecting the Agriculture and Land-based Sector

### Changing EU and UK Policies

- ◆ **Sustainable Development Policy** — The UK government released its Sustainable Development strategy Securing the Future in March 2005 and this was followed in December 2005 by the Scottish Executive's publication Choosing Our Future — Scotland's Sustainable Development Strategy. Scottish Executive (2006) A Forward Strategy for Scottish Agriculture: Next Steps stressed the need for the industry to make more effective use of renewable resources, manage land to minimise carbon loss and become more energy efficient. The production of energy crops and conversion of by-products into energy were identified as business opportunities.
- ◆ **Strategy for non-food crops** — Opportunities in the production, utilisation and marketing of specialised crops and their products are increasing following the publication of a report by DEFRA (2004) A Strategy for Non-food Crops and Uses — creating value from renewable materials, and the establishment of the National Non-Food Crops Centre at York. Increased prices for mineral oil make plant-based alternatives more competitive and companies such as Springdale Crop Synergies continue to be successful.
- ◆ **CAP reform**, Single Farm Payment and the EU Rural Development Regulation (2005) - The future pattern of support for rural development is expected to have a major impact on land use in Scotland as outlined in the report by the Scottish Executive (2006) Scotland Rural Development Programme 2007–2013. Future support is expected to be focused more on environmental enhancement and the protection of soils.
- ◆ **Animal Health and Welfare legislation** — The Animal Health and Welfare Strategy for Great Britain (Defra, 2004) and the subsequent Animal Health and Welfare (Scotland) Act (2006) are likely to result in higher levels of inspection.
- ◆ **Pesticide legislation** — The publication in 2002 of the EU communication Towards a Thematic Strategy for the Sustainable Use of Pesticides, followed by their recent adoption of the Directive for the Sustainable Use of Pesticides and the Regulation for the placing of pesticides in the European Union (EU) market will influence crop protection practices. Increased levels of expertise together with more effective management and recording systems will be required.
- ◆ **Health and Safety** — The Health and Safety Commission's 10 year strategy Securing Health Together published in 2000 highlights the need for all members of the workforce to have the competence and skills to ensure their health and safety at work.

### Other Trends affecting the Sector

- ◆ **Globalisation** — The predicted expansion in the global economy over the next decade is expected to open up new markets and opportunities for land-based industries but also bring increased risk and vulnerability through greater international competition.
- ◆ **Diversification** — Over the next 20 years land-use is expected to diversify to areas including environmental protection, enhancement of biodiversity and the generation of renewable energy from sources such as the wind or crops for biomass and biofuels.
- ◆ **Technological change** — Implementation of technological innovations will be required for land-based businesses to respond to rapidly changing market patterns.
- ◆ **Climate change** — Climate change will affect the geographical distribution of crops as well as stimulating the demand for energy and biofuel crops.
- ◆ **Age** — The age profile of the agricultural industry means that although total employment in agriculture has been in decline for several years recruitment will continue.

## Appendix 2: Core Skills Signposting

YEAR 1 UNITS	Core Skill and SCQF level							
	Unit code	Problem Solving	Working with others	Communication		Numeracy		IT
				Written Communication	Oral Communication	Using Number	Uses Graphical Information	
Arable Crop Production	F1Y4 34	6		6	6	6	6	
Crop Protection and Harvest Mechanisation	F1Y6 34	6		6	6			
Environmental Awareness Or Environmental Awareness	F2G8 34 J4RC 34*		6 6	6 6	6 6			
Farm Power	F1Y8 34	6		6	6	6	6	
Financial Records for Small Business	F26G 34	6				6	6	
Agriculture: Graded Unit 1	F3R3 34	6	6	6	6	6	6	
Grass and Fodder Crop Production	F1Y9 34	6		6	6	6	6	
Information Technology: Applications Software 1	D75X 34							6 (E)
Land Use Systems	F2GA 35		6	6	6			6
Livestock Breeding	F2E6 34			5	5	6	6	
Livestock Growth, Health and Welfare	F2E8 34			6				4
Livestock Husbandry and Recording	F2EA 34		5		5	5		
Livestock Production Systems	F2ED 34		4	5	5			

Plant Protection	F2B3 34					6		
Soils and Crop Establishment	F1YC 34	6		6	6			

YEAR 2 UNITS	Core Skill And SCQF level							
	Unit code	Problem Solving	Working with Others	Communication		Numeracy		IT
				Written Communication	Oral Communication	Using Number	Uses Graphical Information	
<b>Mandatory Units</b>								
Agricultural Produce: Quality and Processing	F2E4 35			6				
Crop and Livestock Mechanisation	F1Y5 35			6				
Farm Buildings and Controlled Environments	F2G7 35			6	6	6	6	
Farm Manures, Wastes and Environment	F1Y7 35	6		6	6	6	6	
Livestock Management Systems	F2EB 35	6				6		
Livestock Nutrition	F2EC 35					6		6
Pasture Management	F1YB 35	6		6				
Planning, Budgeting and Control	F26F 35	6		6		6	6	6
Plant Protection: Integrated Approaches	F1JH 35	6				6	6	
Using Financial Accounting Statements	F137 34			6	6			



Agriculture Graded Unit 2	F3R4 35	6		6	6	6	6	
Agriculture Graded Unit 3	F3R5 35	6						

YEAR 2 UNITS	Core Skill							
	Unit Code	Problem Solving	Working with Others	Communication		Numeracy		IT
				Written Communication	Oral Communication	Using Number	Uses Graphical Information	
<b>Optional Units</b>								
Agricultural Economics and Marketing in the UK	F2E3 35	6		6		6		6
Crop Physiology and Breeding	F2AX 35	6		6			6	
Developing Skills for Personal Effectiveness	DF4E 34	6 (E)						
Farm Scale Renewable Energy	F2G9 35			6	6	6	6	
Organic Production Systems	F1YA 35	6		6	6			
Rural Business Diversification	F2EF 35			6		6		6
Specialised Field Crops	F2EG 35		6	6	6	6	6	
Wildlife Management	F2GB 34	6	6	6	6			6
Work Experience	DV0M 34	6 (e)	6	6	6	6		

### Appendix 3: Academic progression within subject groupings

(C) — Core Units; (O) — Optional Units

Grouping	Year 1: SCQF level 7	Year 2: SCQF level 8
Livestock Production and Science	<ul style="list-style-type: none"> <li>◆ Livestock Production Systems (C)</li> <li>◆ Livestock Husbandry and Recording (C)</li> <li>◆ Livestock Breeding (C)</li> <li>◆ Livestock Growth, Health and Welfare (C)</li> </ul>	<ul style="list-style-type: none"> <li>◆ Livestock Management Systems (C)</li> <li>◆ Organic Production Systems (O)</li> <li>◆ Livestock Nutrition (C)</li> </ul>
Crop Production and Science	<ul style="list-style-type: none"> <li>◆ Arable Crop Production (C)</li> <li>◆ Grass and Fodder Crop Production (C)</li> <li>◆ Plant Protection (C)</li> <li>◆ Soils and Crop Establishment (C)</li> </ul>	<ul style="list-style-type: none"> <li>◆ Organic Production Systems (O)</li> <li>◆ Pasture Management (C)</li> <li>◆ Plant Protection: Integrated Approaches (C)</li> <li>◆ Specialised Field Crops (O)</li> <li>◆ Crop Physiology and Breeding (O)</li> </ul>
Business and Economics	<ul style="list-style-type: none"> <li>● Financial Records for Small Business (C)</li> </ul>	<ul style="list-style-type: none"> <li>◆ Using Financial Accounting Statements (C)</li> <li>◆ Planning, Budgeting and Control (C)</li> <li>◆ Agricultural Economics and Marketing in the UK (O)</li> <li>◆ Rural Business Diversification (O)</li> <li>◆ Human Resource Management: Introduction (O)</li> </ul>
Engineering and Mechanisation	<ul style="list-style-type: none"> <li>◆ Crop Protection and Harvesting Mechanisation (C)</li> <li>◆ Farm Power (C)</li> </ul>	<ul style="list-style-type: none"> <li>◆ Crop and Livestock Mechanisation (C)</li> <li>◆ Farm Buildings and Controlled Environments (C)</li> <li>◆ Farm Scale Renewable Energy (O)</li> </ul>
Environmental Science, Conservation and Countryside	<ul style="list-style-type: none"> <li>◆ Environmental Awareness (C)</li> <li>◆ Land Use Systems (C)</li> </ul>	<ul style="list-style-type: none"> <li>◆ Farm Manures, Wastes and the Environment (C)</li> <li>◆ Wildlife Management (O)</li> <li>◆</li> </ul>
Food		<ul style="list-style-type: none"> <li>◆ Agricultural Produce: Quality and Processing (C)</li> </ul>
Transferable Skills	<ul style="list-style-type: none"> <li>◆ Information Technology: Applications Software 1 (C)</li> </ul>	<ul style="list-style-type: none"> <li>◆ Work Experience (O)</li> <li>◆ Developing Skills for Personal Effectiveness (O)</li> </ul>

## Appendix 4: Mapping of Aims to Units

### (a) HNC Agriculture: Map of Aims to Units

- 1 To provide a husbandry-based programme in production agriculture, which, in combination with practical experience and guidance from their manager, would enable candidates to undertake the running of a farm enterprise;
- 2 To develop in candidates the required skills and knowledge in crop production, animal production and mechanisation in an integrative manner and to develop the ability to complete and maintain appropriate records and documents;
- 3 To ensure that candidates are aware of relevant health and safety, animal welfare and environmental issues;
- 4 To provide an appropriate foundation to enable progression to the Higher National Diploma and BSc programmes.

Year 1 AIM:	1	2	3	4
Arable Crop Production	√	√		√
Crop Protection and Harvesting Mechanisation	√	√		√
Environmental Awareness			√	√
Farm Power	√	√		√
Financial Records for Business		√		√
Graded Unit Agriculture: Project	√	√		√
Grass and Fodder Crop Production	√	√	√	√
Information Technology: Applications Software 1		√		√
Livestock Breeding	√	√		√
Livestock Growth, Health and Welfare	√	√	√	√
Livestock Husbandry and Recording	√	√		√
Livestock Production Systems	√	√		√
Soils and Crop Establishment	√	√		√
Land Use Systems			√	√
Plant Protection	√	√		√

### (b) HND Agriculture: Map of Aims to Units

- 1 To provide a vocational programme based on the skills and knowledge required for employment at supervisory/junior managerial level within the agricultural industry and for self-employment in farming or other land-based sectors;
- 2 To ensure that candidates gain the skills, knowledge and understanding of animal and crop production technology, farm mechanisation, business management and managing people which are necessary for a position as a trainee/assistant farm manager or equivalent;
- 3 To ensure that candidates have a sound appreciation of animal welfare, environmental and conservation issues and understand the concept of sustainability;
- 4 To facilitate progression to degree level education based on a sound foundation in applied science and technology, business management, Core Skills, and an understanding of the multifunctional nature of agriculture.

<b>Year 2 AIM:</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Agricultural Produce: Quality and Processing	√	√		√
Crop and Livestock Mechanisation	√	√		√
Farm Buildings and Controlled Environments	√	√		√
Farm Manures, Wastes and the Environment	√	√	√	√
Graded Unit Agriculture: Business Case Study		√		√
Graded Unit Agriculture: Exam		√		√
Livestock Management Systems	√	√		√
Livestock Nutrition	√	√		√
Pasture Management	√	√		√
Planning, Budgeting and Control	√	√		√
Plant Protection: Integrated Approaches	√	√	√	√
Using Financial Accounting Statements	√	√		√
<b>Optional Units (candidates select 3):</b>				
Agricultural Economics and Marketing	√	√		√
Crop Physiology and Breeding	√	√		√
Developing Skills for Personal Effectiveness		√		√
Farm Scale Renewable Energy	√		√	√
Managing Human Resources	√	√		√
Organic Production Systems	√			√
Rural Business Diversification	√			√
Specialised Field Crops	√	√		√
Wildlife Management	√		√	√
Work experience	√	√		√

## Appendix 5: Mapping of Units to National Occupational Standards

### Agriculture HNC, Agriculture HND

The following Units have some element of commonality with the Occupational Standards listed

#### Year 1

Unit title	Equivalent Occupational Standards
Arable Crop Production	Prepare for planting and plant extensive crops (029NAGC5) Prepare, monitor and cultivate sites for planting crops (029NAGC5) Promote, monitor and maintain the healthy growth of extensive crops (029NAGC10) Plan, monitor and evaluate the management of crops, their transport and storage (029NCU147) Write technical reports (BS43)
Crop Protection and Harvesting Mechanisation	Plan and Manage the Control of Weeds, Pests and Diseases (O29NCU110) Control the Harvesting of Extensive Crops by Mechanical Means (MFAGC12)
Environmental Awareness	Implement environmental good practice at work. (EC19)
Farm Power	Establish and Meet Customer's Technical Requirements for Tractors and Machinery (LBSE10) Transport Supplies of Physical resources within the Work Area (O29NCU8) Prepare and Operate a Tractor with Attachments (O29NAGCCU11)
Grass and Fodder Crop Production	Prepare for planting and plant extensive crops (029NAGC5) Monitor and maintain the healthy growth of extensive crops (O29NAGC6). Plan, monitor and evaluate the management of crops, their transport and storage (029NCU147) Monitor and maintain the storage of harvested crops. (O29NAGC13) Control the harvesting of extensive crops by mechanical means (O29NAGC12).
Information Technology Applications Software 1	Operate a Computer level 2 (OPU2) Presentation Software level 2 (PS2) Spreadsheet Software level 3 (SS3) Word Processing Software level 3 (WP3) Use IT to Exchange Information level 2 (UEI3) Use IT Systems level 3 (UIT3) Email level 2 (MAIL2) Use IT Systems and Software (CICF34)

Unit title	Equivalent Occupational Standards
Land Use Systems	Negotiate Improvements in Land Use (EC28) Assess the characteristics of sites (LBMCU91) Negotiate improvements to land use (EC28)
Livestock Breeding	Collect and prepare semen for the future artificial insemination of livestock (O29NLP33) Establish pregnancy and maintain livestock during pregnancy (O29NLP9) Maintain livestock during and after parturition (O29NLP10)
Livestock Growth, Health and Welfare	Ensure health and welfare of livestock (LD2.2) Maintain site biosecurity and personal hygiene (MFLP6) Establish, monitor and maintain conditions appropriate to welfare of livestock (MFLP24). Establish, monitor and maintain site hygiene and biosecurity (MFLP26)
Livestock Husbandry and Recording	Assist with establishing livestock within their accommodation (O29NLP11) Assist with preparation and the monitoring of livestock Outdoors (O29NLP) Assist with selecting livestock, and preparing them for transfer (O29NLP19) Milk livestock by machine (O29NLP13) Ensure health and welfare of livestock (LD2.2) Maintain site biosecurity and personal hygiene (MFLP6) Establish, monitor and maintain conditions appropriate to welfare of livestock (MFLP24)
Livestock Production Systems	Plan, monitor and evaluate the management of livestock systems (O29NLP45) Establish, monitor and maintain conditions appropriate to welfare of livestock (MFLP24) Write technical reports (BS43)
Plant Protection	Set out and establish crops (O29NPH2V2) Assist with maintaining the health of extensive crops (O29NAGCunit2) Monitor and maintain the healthy growth of extensive crops (O29NMFAGC6)
Soils and Crop Establishment	Promote, monitor and maintain the healthy growth of extensive crops. (O29NAGC10) Ameliorate soil under mature trees (TT33) Assist with planting and establishing plants (HOCU61) Prepare growing media (O29NAHCU74) Prepare and cultivate sites for planting extensive crops (O29NAGC4) Prepare, monitor and cultivate sites for planting crops (O29NAGC5)

## Agriculture HNC, Agriculture HND

The following Units have some element of commonality with the Occupational Standards listed

### Year 2

Unit title	Equivalent Occupational Standards
Agricultural Produce: Quality and Processing	Monitor and maintain the storage of harvested crops (MFAGC13) Write technical reports (BS43)
Crop and Livestock Mechanisation	Prepare and cultivate sites for planting extensive crops (O29NAGC4) Set out and establish crops (O29NPH2V2) Maintain, monitor and evaluate, the provision of feed and water to livestock (O29NLP27) Prepare, monitor and maintain the milking of livestock by machine (O29NLP35)
Environmental and Countryside Regulation	Communication of Environmental Information (EC6)
Farm Buildings and Controlled Environments	Determine Policies for the Development of Land-based Sites (CU92) Plan, programme and monitor the development of land based sites (LBMCU95) Plan, monitor and evaluate the construction and maintenance of structures and surfaces (LBMCU26)
Farm Manures, Wastes and the Environment	Plan, Monitor and Evaluate the Disposal of Waste (MFLP37)
Livestock Management Systems	Plan, monitor and evaluate the management of livestock systems (O29NLP45) Establish, monitor and maintain conditions appropriate to welfare of livestock (MFLP24) Write technical reports (BS43)
Livestock Nutrition	Maintain, monitor and evaluate the provision of feed and water to livestock (MFLP27)
Pasture Management	Prepare and monitor livestock on outdoor sites (O29NLP12) Write technical reports (BS43)
Plant Protection: Integrated Approaches	Identify the presence of pests, diseases and disorders and assist with their control (PHCU 78) Plan and manage the control of pests, diseases and disorders (PHCU80)
Specialised Field Crops	Set out and establish crops (PH2) Prepare for planting and plant extensive crops (029NAGC5) Prepare, monitor and cultivate sites for planting crops (029NAGC5) Promote, monitor and maintain the healthy growth of extensive crops (029NAGC10) Plan, monitor and evaluate the management of crops, their transport and storage (029NCU147) Monitor and maintain the growth and development of crops (PH3) Harvest and prepare intensive crops (PH4) Promote the growth and development of crops (PH5) Plan and maintain the production of plants by vegetative methods (PH9) Plan and manage propagation from seed (PH10) Plan and maintain the harvesting of intensive crops (PH11) Write technical reports (BS43)



## Appendix 6: Credit transfer arrangements

Predecessor Award		New Award		Credit transfer conditions
Unit title (All 8 SCQF credits except where stated)	Unit Code	Unit title (All 8 SCQF credits)	Unit code	
Arable Crop Production #	D7TG 04	Arable Crop Production	F1Y4 34	Complete
Communication: Selecting and Presenting Complex Information	D5CM 04			None
Crop Establishment Mechanisation (4 credits) and Soil Management; an Introduction (4 credits) #	DF7H 04 DF7T 04	Soils and Crop Establishment	F1YC 34	Complete
Crop Protection, Harvesting and Storage Mechanisation #	DF7J 04	Crop Protection and Harvesting Mechanisation	F1Y6 34	Complete
Environmental Awareness #	DF7K 04	Environmental Awareness	F2G8 34	Complete
Grass and Fodder Crop Production #	D7TP 04	Grass and Fodder Crop Production	F1Y9 34	Complete
Land Use Systems #	D7TV 04	Land Use Systems	F2GA 35	Complete
Livestock Breeding and Health #	D7TW 04	Livestock Breeding	F2E6 34	Complete
Livestock Husbandry and Recording #	DF7M 04	Livestock Husbandry and Recording	F2EA 34	Complete
Livestock Science: An Introduction #	DF7N 04	Livestock Growth, Health and Welfare	F2E8 34	Partial *
Mechanisation 1 #	D81J 34	Farm Power	F1Y8 34	Complete
Plant Protection: An Introduction #	D7V5 04	Plant Protection	F2B3 34	Complete
Practical Use of Software Applications Packages #	DG0T 04	Information Technology: Applications Software 1	D75X 34	Complete
Records for Business #	DF8G 04	Financial Records for Small Business	F26G 34	Complete
Systems of Livestock Production #	D7VB 04	Livestock Production Systems	F2ED 34	Complete

\* For a complete credit transfer to the Unit *Livestock Growth, Health and Welfare*, candidates would require to have achieved both *Livestock Breeding and Health* and *Livestock Science: An Introduction*

Predecessor Award		New Award		Credit transfer conditions
Unit title (All 8 SCQF credits except where stated)	Unit Code	Unit title (All 8 SCQF credits)	Unit code	
Information Handling and Presentation	DG0X 04			None
Biodiversity Conservation	DF2A 04			None
Crop Quality, Storage and Processing #	DF26 04	Agricultural Produce: Quality and Processing	F2E4 35	Partial *
Livestock Product Quality and Processing #	D7V0 04	Agricultural Produce: Quality and Processing	F2E4 35	Partial *
Livestock Nutrition #	D7TY 04	Livestock Nutrition	F2EC 35	Complete
Livestock Management Systems #	DF2E 04	Livestock Management Systems	F2EB 35	Complete
Integrated Plant Protection #	D7TR 04	Plant Protection: Integrated Approaches	F1JH 35	Complete
Controlling Environments (4 credits) and Rural Buildings 1 (4 credits) #	DF29 04 DF7Y 04	Farm Buildings and Controlled Environments	F2G7 35	Complete
Mechanisation 2 #		Crop and Livestock Mechanisation	F1Y5 35	Complete
Pollution and Waste Management: An Introduction #	D7V6 04	Farm Manures, Wastes and the Environment	F1Y7 35	Complete
Financial Business Analysis #	DF7E 04	Using Financial Accounting Statements	F137 34	Complete
Planning, Budgeting and Control #	DF7F 04	Planning, Budgeting and Control	F26F 35	Complete
Business Case Study	DF7C 04	<i>Graded Unit: Business Case Study</i>	F3R4 35	None
Work Experience #	DG0W 04	Work Experience	DV0M 34	Complete

\* For a complete credit transfer to the new Unit *Agricultural Produce: Quality and Processing*, candidates would require to have achieved both *Livestock Product Quality and Processing* and *Crop Quality, Storage and Processing*.

A transitional award (not available to new candidates) is available for candidates achieving satisfactory credit transfer for the Units marked # in the tables above + any 3 optional Units + the 2 new graded HND Units.

Predecessor Award		New Award		Credit transfer conditions
Unit title (All 8 SCQF credits except where stated)	Unit code	Unit title (All 8 SCQF credits)	Unit code	
<b>Optional Units:</b>				
Organic Farming Systems	D5DB 04	Organic Production Systems	F1YA 35	Complete
Specialised Field Crop	DF1A 04	Specialised Field Crops	F2EG 35	Complete
Habitat Management	DF1R 04	Wildlife Management	F2GB 34	None
Marketing of Agricultural Products	DF7P 04	Agricultural Economics and Marketing in the UK	F2E3 35	Complete
Rural Enterprise Diversification	DF83 04	Rural Business Diversification	F2EF 35	Complete
Human Resource Management 1	D46K 34	Human Resource Management: Introduction	DN78 34	Complete