

# HARPER ADAMS UNIVERSITY

## Programme Specification

<b>1</b>	<b>Awarding Institution:</b>	Harper Adams University
<b>2</b>	<b>Teaching Institution:</b>	Askham Bryan College
<b>3</b>	<b>Course Accredited by:</b>	Not Applicable
<b>4</b>	<b>Final Award and Level:</b>	Extended FdSc (Level 5)
<b>5</b>	<b>Interim Award(s) and Level(s):</b>	Certificate of Higher Education Horticulture (Level 4)
<b>6</b>	<b>Award Title:</b>	Horticulture
<b>7</b>	<b>UCAS Code:</b>	8256
<b>8</b>	<b>JACS Code(s):</b>	K341
<b>9</b>	<b>QAA Benchmark Statement(s):</b>	Agriculture, Horticulture, Forestry, Food, Nutrition and Consumer Sciences (July 2016)
<b>10</b>	<b>Language of Study:</b>	English
<b>11</b>	<b>Mode of Study:</b>	Full-time Part Time
<b>12</b>	<b>Date Approved or Revised:</b>	Horticulture Validation Event – 12 <sup>th</sup> January 2017 (September 2017 – August 2023)

### CONTEXT AND RATIONALE

The horticulture industry is estimated to be worth £1.2billion to the British economy and over €400 million in Ireland and it provides regular employment for over 37,000 people in the UK and 6,000 in Ireland, with many of these jobs in rural areas (Chartered Institute of Horticulture, 2014).

Today's horticultural businesses operate in a highly competitive and demanding global market environment. In addition, consumer demand in the UK is also changing with the drive for local food and organic production. Production, harvesting and storing of vegetables is highly mechanised and technologically advanced.

Horticulturists are employed not only in the more typical plant nurseries, greenhouse, public parks, and vegetable growers, but also in hospitals (horticultural therapy), and tourist attractions (managing environments for animals and visitors). The college has strong links with many employers and specialist staff come from vocational backgrounds within the industry.

Changing world population and climate will create further challenges for the industry, with 39% of growers already citing climate change as having impact on their growing habits (NFU, 2010). In addition, consumer demand in the UK is also changing with the drive for local food and organic production. Production, harvesting and storing of vegetables is highly mechanised and technologically advanced.

In 2013 a report entitled 'Horticulture Matters' was presented to the government by leading horticultural organisations (Chartered Institute of Horticulture, Lantra, The Horticultural Trades Association, Landex, British Association of Landscape Industries, English Heritage, The Royal Botanic Gardens Kew, The Royal Horticultural Society). The group surveyed 200 horticultural businesses and found that: 72% struggled to fill vacancies with 10% taking over

a year to fill and 19 % recruit overseas. 67% thought career entrants were inadequately prepared for work. (3% demanded government action).

Horticulturists are employed not only in the more typical plant nurseries, greenhouse, public parks, and vegetable growers, but also in hospitals (horticultural therapy), and tourist attractions (managing environments for animals and visitors).

Employment prospects are excellent with horticultural opportunities, either within the UK or worldwide. Many students have come to study on degree courses at the college after successful careers in other areas, keen to pursue their main interest. Past students have found careers within production horticulture, historic gardens, local authorities, botanic gardens, landscaping companies and nurseries. The college has strong links with many employers and specialist staff are from vocational backgrounds within the industry.

The Extended FdSc Horticulture aims to educate undergraduates to a level where they can take up supervisory and management positions equipped with a broad range of horticultural expertise to meet the needs of industry.

This Extended FdSc programme allows entry to the Higher Education programmes in Horticulture for students without formal entry qualifications and/or little experience of the industry. Employment prospects are excellent with horticultural opportunities, either within the UK or worldwide. Many students have come to study on degree courses at the college after successful careers in other areas, keen to pursue their main interest. Past students have found careers within production horticulture, historic gardens, local authorities, botanic gardens, landscaping companies and nurseries.

## **GENERIC AIMS**

All Extended FdSc awards aim to provide the following:

1. To develop in each student subject knowledge and understanding appropriate to individual interests and developing vocational needs.
2. To develop each student's intellectual powers, their understanding and judgement, their ability to see relationships within what they have learned and to examine the field of study in a broader perspective.
3. To develop the personal effectiveness and employability of students, in particular their ability to learn, to communicate, to work with others and to solve problems.
4. To develop those skills of professional scholarship required for career management, lifelong learning and innovation.
5. To inculcate an awareness of the wider consequences of economic activity and a determination to minimise harmful effects on the environment and people.
6. To provide a lively, stimulating and challenging education experience.

## **AWARD-SPECIFIC AIMS**

The Extended FdSc Horticulture award aims to provide the following:

1. To equip students with a thorough understanding of horticultural management systems and the underpinning scientific, economic and management principles to prepare them for entry into the horticultural production sector.
2. To develop the ability to identify, analyse and solve technological and economic problems encountered in horticultural production systems and evaluate new techniques and, where appropriate, apply them to commercial practice.
3. To develop communication and management skills and the ability to apply them to problems associated with plant production systems.

4. To develop the ability to evaluate the wider global, environmental, economic, social, ethical and political issues associated with sustainable horticultural development.
5. To develop the ability to apply detailed scientific knowledge and understanding of plant sciences to problems associated with the horticultural industry.

## **GENERIC OUTCOMES**

On successful completion of Extended FdSc awards, students will be able to:

- A. Demonstrate a detailed knowledge of key theories, ideas and terminology associated with the discipline, with some appreciation of how knowledge is developed and used in practice
- B. Select and use strategies to solve problems that are complex or unpredictable
- C. Analyse data using recognisable principles or approaches, and draw out specific findings from this process with some awareness of the limitations of the approach
- D. Compare and contrast ideas and/or data to strengthen evidence or arguments towards a specified purpose.
- E. Review information using selected methods to address complex issues or problems, with an awareness of some of the limitations of the source material
- F. Select and use appropriate technologies to enable or enhance the performance of specific tasks, and appreciate the role information and communication technologies play in the discipline or relevant professions.
- G. Work productively with others on negotiated tasks and evaluate team performance with reference to some of the internal and external factors affecting success
- H. Recognise, pursue and record personal development in a way that supports the needs of relevant professional employers.
- I. Communicate effectively through different media and genre, for specialist and non-specialist audiences
- J. Perform practical operations in more complex or unpredictable situations that require the selection and application of appropriate skills and review personal effectiveness in practical tasks.
- K. Work independently and autonomously with only some supervision in academic and practical tasks; make decisions about when support is needed.
- L. Use research to inform the development of knowledge and understanding, and to inform decision-making.
- M. Recognise the complexity of sustainable practice, and assess the sustainability of different practices, processes and/or developments.
- N. Compare and contrast international examples or case studies that are associated with the discipline and identify global factors or trends that have an impact on specific areas of study
- O. Recognise some ethical challenges associated with research and within professional behaviour, and appreciate the role of personal responsibility and professional codes in complex ethical dilemmas
- P. Not applicable.

## **AWARD-SPECIFIC OUTCOMES**

On successful completion of the Extended FdSc Horticulture award, students will be able to:

- R. Compare and contrast a variety of the concepts and techniques for plant production and landscape management and how they are applied in industry;
- S. Apply propagation and plant production techniques studied to a wide variety of plant materials to meet the standards and requirements of the industry.
- T. Apply practical skills and competencies to landscape design, construction and garden management situations to ensure sustainable landscapes and gardens.

- U. Apply specialist skills in scientific, technical, intellectual and managerial aspects of horticulture and the landscape industries, outside the context in which they were originally studied, especially with regard to their chosen specialism.

### **RELATIONSHIP WITH EXTERNAL REFERENCE POINT(S)**

QAA Subject Benchmark statement for Agriculture, Horticulture, Forestry, Food, Nutrition and Consumer Sciences (July 2016) states: Degree programmes in **horticulture** are designed to develop the knowledge and skills required to integrate the challenges of food security, sustainable production, preservation of biodiversity, climate change and human well-being. Graduates may go on to manage horticultural enterprises and related businesses, operate in international trade and production systems, manage amenity landscapes or be involved in closely related official or commercial research and advisory work. Graduates with horticulture degrees have a thorough understanding of plant manipulation and production methods and of the underpinning scientific, economic and business principles. They are able to identify technological and economic problems encountered in current production systems, evaluate new techniques and, where appropriate, apply them to commercial practice. Graduates appreciate the social, rural and urban landscape values associated with horticulture and the dilemmas facing their current and future management; appreciate the underpinning global nature of production and supply chains; and evaluate the wider consequences of horticultural activities including public concerns over sustainable land use and production practices.

QAA Quality Code for Higher Education. Section A: Setting and maintaining academic standards 2014

### **PROFESSIONAL ACCREDITATION ARRANGEMENTS**

None.

### **COURSE DURATION, PROGRESSION, MODULE COMPENSATION, TRANSFER, ADVANCED STANDING AND INTERIM AWARDS**

#### **Course Duration**

The full-time programme will be completed in three years, with each academic year consisting of two semesters, each typically of 16 weeks duration, including directed study weeks and examination periods.

The part-time programme will be completed in five years and typically be no less than 50% of the standard module diet of the full-time version of the award.

The maximum duration of study for full-time and part-time students (including up to one year postponement of studies) will be four years and six years respectively

#### **Progression**

Students progressing to the second and third years must have satisfied the requirements for progression in line with Harper Adams University academic regulations.

Students may progress to the BSc/BSc (Hons) Applied Horticulture (Top-up) programme following successful completion of the Extended FdSc Horticulture. For admission to the BSc (Hons) top-up programme, students would normally be expected to have successfully completed their FdSc programme with a minimum of mean grade of 55% in their final year. For admission to BSc top-up programme, students would normally be expected to have successfully completed their FdSc programme and have a reference from their Course Manager in support of their suitability for top up study.

Students may progress directly onto the BSc (Hons) Horticulture with Landscape Garden Management from the Extended FdSc Horticulture at Level 3 (Year 0), typically with a minimum mean grade of 70%.

Students may also progress onto the BSc (Hons) Horticulture with Landscape Garden Management from the Extended FdSc Horticulture programme at Level 4 (Year 1), typically with a minimum mean grade of 60%.

### Module Compensation Exclusions

The following modules are not eligible for compensation within the Extended FdSc Horticulture programme:

Year 1 modules:	Independent Project Plant Identification
Year 2 modules:	Propagation and Practical Botany Plant Identification and Taxonomy Academic Skills Industry Skills
Year 3 modules:	Personal Research Project Plant Pests and Diseases Plantsmanship Professional Development Academic Development

### Transfer

For transfer between courses, matching awards facilitate transfer at the end of the preparatory year (year 1). Students will transfer all credits and marks from the preparatory year into the destination award. Only in the case of pre-requisites have not being met will students be required to study credit in addition to the normal study load during year two (Level 4).

### Entry with Advanced Standing

Table 4.1 in **Section 4** of the *Academic Quality Assurance Manual* identifies the maximum credit that can normally be advanced for students wishing to enter with advanced standing from a Harper Adams' award, or an award from another institution. Harper Adams' awards which qualify for the maximum volume of advanced standing into this programme are listed as follows:

None

Interim awards which qualify for a lower level of advanced standing, including Harper Adams' awards, into this programme are listed below:

Certificate of Higher Education in Horticulture

The course structure diagram(s) identify the specific study programme(s) for candidates entering with advanced standing. **Section 4.5.10** of the *Academic Quality Assurance Manual* specifies the arrangements for transfer and advanced entry and these will apply unless an alternative arrangement has been approved.

Entry with Accreditation of Prior Learning (APL)/ Accreditation of Prior Experiential Learning (APEL) will be accepted in accordance with the Askham Bryan College procedure and

Harper Adams University academic regulations. No more than  $\frac{2}{3}$  credit for the award may be derived from APL. Within this limit, no more than half of the total credit value of the award may be derived from APEL.

Holders of a matching HNC/FdSc may apply to be admitted to part two of this programme, subject to satisfaction of the admitting Course manager of their suitability for study on the programme. Students would normally have to achieve the minimum credit requirements for the award specified.

### **Interim Awards**

The requirements for interim awards associated with final awards are as follows:

#### **Certificate of Higher Education Horticulture**

Students will have obtained 120 credits, with a maximum of 15 credits at level 3, and have met generic outcomes A-O and award specific outcomes R-U as identified in the curriculum map of this programme specification.

### **COURSE STRUCTURE, LEVELS AND CREDIT REQUIREMENTS FOR INTERIM AND FINAL AWARDS**

Harper Adams' programmes are based on a credit-accumulation system where 1 credit represents 10 notional hours of student study time. Modules are normally 15 credits or multiples thereof. Modules are also at different levels from Levels 3 – 7, according to their intellectual challenge. Courses leading to specific awards include **core modules**, **optional modules** from which students must select choices up to the number of credits required, and, in some cases, **elective credit** whereby students may study any modules of their choice from within the Harper Adams portfolio, subject to timetabling and pre-requisite constraints, in place of optional modules, with the approval of their course manager.

The minimum credit requirements needed to progress to interim and final awards are listed in **Section 4.4.5** of the *Academic Quality Assurance Manual*. These are reflected in the corresponding course structure study programmes, which follow.

Course Structure - Extended FdSc Horticulture

Part 1 Level 3		Part 2 Level 4		Part 3 Level 5	
Year 0		Year 1		Year 2	
Semester 1 Core	Semester 2 Core	Semester 3 Core	Semester 4 Core	Semester 5 Core	Semester 6 Core
ICT (ABC3100) 15 credits		Industry Skills (ABC4101) 15 credits		Personal Research Project (Module Code TBC) 15 credits	
Work Based Learning (ABC3105) 15 credits		Academic Skills (ABC4100) 15 credits	Propagation and Practical Botany (ABH4109) 15 credits	Professional Development (Module Code TBC) 15 credits	
Preparatory Academic Skills (ABC3104) 15 credits	Establish and Manage Planting (ABH3100) 15 credits	Introduction to Business (ABC4102) 15 credits		Academic Development (Module Code TBC) 15 credits	Project and Contract Management (Module Code TBC) 15 credits
Plant Identification 15 credits	Independent Project (ABC3101) 15 credits	Plant and Soil Science (ABH4104) 15 credits	Plant Establishment and Maintenance (ABH4105) 15 credits	Plant Pests and Diseases (Module Code TBC) 15 credits	Business Enterprise (Module Code TBC) 15 credits
Introduction to Laboratory Skills 15 credits	Introduction to Biological Science (ABC3102) 15 credits	Plant Identification and Taxonomy (ABH4106) 15 credits	Introduction to Design and Landscape Construction (ABH4102) 15 credits	Plantsmanship (Module Code TBC) 15 credits	OPTION
<b>Semester 1 Options</b>	<b>Semester 2 Options</b>	<b>Semester 3 Options</b>	<b>Semester 4 Options</b>	<b>Semester 5 Options</b>	<b>Semester 6 Options (choose 1)</b>
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Plant Production and Technology (Module Code TBC) 15 credits
					Landscape and Garden Design and Surveying (Module Code TBC) 15 credits

Full-time students will normally study at least 120 credits (equivalent to 1200 study hours) per year from a combination of core (compulsory) and optional modules. Students intending to top-up to a BSc/BSc Honours programme should discuss their option choices with their Course Manager.

Validation Date: 12<sup>th</sup> January 2017

Date of Approval following Response to Validation Report: July 2017

Period of Approval: September 2017 – August 2023

## **COURSE DESIGN, LEARNING, TEACHING AND ASSESSMENT METHODS**

### **Assessment philosophy**

Assessments will vary to reflect the academic, practical and professional skills development of students on the Extended FdSc Horticulture programme. The foundational first year of the extended programme focusses on practical elements of the assessment profile. The practical is taught within the context of highly applied theory that enables students to acquire the standard of level 3 knowledge needed to be successful at level 4 and beyond.

### **Learning and teaching methods**

Teaching and learning methods used to deliver this curriculum are designed to provide experience, and, through reflection upon it, develop concepts which can then be explored through testing and experimentation. Methods vary according to the nature of each module's subject matter but include a wide diversity from more formal lectures to student centred activities including assignments, seminars, field trips, guest lectures and case studies. Practical skills will be developed during sessions in the college farm and land, on field trips and in laboratories.

All students carry out a major individual research project in the final year. The curriculum is delivered in such a way that there is a reducing reliance on tutor-directed study as students progress through their programme. Students will be supported with their study via the college's VLE which will prepare them for the autonomy expected of HE students.

### **Transferable skills**

Extended FdSc programmes aim to allow students to develop important transferable skills in the preparatory year of the course to enable learners to continue to parts one and two of the programme. In addition to academic modules, students must undertake at least 50 hours of work placement to ensure that they develop work related skills within their chosen industry.

All FdSc courses at Askham Bryan College include the Academic Skills (Level 4) and Academic Development (Level 5) modules plus Industry Skills (Level 4) and Professional Development (Level 5). These are designed to develop the skills required to succeed on College courses, to obtain employment, to manage careers and to develop the scholarship required in a learning society. The programme includes activities to develop core skills of communication, numeracy, IT and personal development planning. Vocational placement periods (normally 150 hours in each of part one and part two) help to develop the skills and attributes required in the world of work. Higher level modules are designed to develop teamwork, independent learning, problem solving and research.

All students may also study for additional qualifications, recognised by industry, at an additional cost.

### **Typical assessment**

Typically, modules are assessed by two pieces of assessment, although this may vary. The first will provide formative in-course feedback and the second provides a summative end-of module assessment; each contributing 50% to the weighted mean module work. The exact details are specified in each module descriptor. Unless otherwise specified in module descriptors the overall mark is derived from a weighted mean, with no threshold requirement in any assessment component. Formative assessment methods are diverse and include literature review-based essays, problem based assignments, oral presentations and business written reports, individual and team scenario exercises, experimental work and placement assignments. Time constrained assessment includes closed and open book assessment, with both seen and unseen questions and tasks set.



Practical assessments include design and set-up of scientific experiments, analysis of collected data and presentation of results. In some cases, assessment by professionals (e.g. bank managers) may be used.

## **ENTRANCE REQUIREMENTS**

The Extended FdSc Horticulture programme is designed as a course to enable students who might not otherwise consider further study to enter onto a higher education programme.

For admission to all courses, students must have achieved passes (Grade C or above) in a minimum of five GCSE subjects including English and Mathematics/ or have passed a Level 2 Diploma.

The background and motivation of each applicant will be assessed prior to admission and typically a written piece of work may be requested for assessment of written communication skills as a condition of the offer. Applications from mature students are welcomed. All applicants will be assessed on individual merit and experience.

## Curriculum Map for Extended FdSc Horticulture

		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U		
<b>Modules</b>	<b>LEVEL 3</b>	Independent Project		x	x								x			x								
		Introduction to Biological Science	x			x	x																	
		Preparatory Academic Skills				x		x			x	x												
		Introduction to Laboratory Skills			x							x	x											
		ICT				x		x				x												
		Work Based Learning								x	x			x		x	x							
		Establish and Manage Planting		x			x	x														x		x
	Plant Identification	x				x			x														x	
	<b>LEVEL 4</b>	Academic Skills						x			x		x	x										
		Industry Skills							x	x														
		Introduction to Business		x						x			x											
		Plant and Soil Science	x		x							x		x			x							
		Propagation and Practical Botany			x		x					x	x									x		
		Plant Establishment and Maintenance				x	x						x			x			x			x		
		Plant Identification and Taxonomy	x				x				x				x			x						
	Introduction to Design and Landscape Construction		x									x			x		x					x	x	
	<b>LEVEL 5</b>	Personal Research Project			x	x	x						x	x									x	
		Academic Development		x				x																
		Professional Development									x													x
		Business Enterprise								x	x	x	x			x							x	
		Plantsmanship	x											x				x				x		
		Plant Pests and Diseases	x			x	x					x				x		x						x
		Project and Contract Management	x	x								x											x	
		Plant Production and Technology (O)		x		x		x					x			x						x	x	x
Landscape, Garden Design and Surveying (O)		x		x		x					x			x								x		

A-Q = generic outcomes

R-U= award-specific outcomes

## Extended Foundation Degree in Horticulture (Level 3) Outcomes

A	Knowledge	Identify and describe some key features of theories, ideas and terminology associated with the discipline.
B	Problem Solve	Contribute to the solution of straightforward, routine or predictable problems using strategies that are specified.
C	Analysis	Analyse data or ideas to generate new insights or understanding.
D	Synthesis	Draw on multiple sources of information to fulfil a specified purpose.
E	Evaluation	Review information in a balanced manner.
F	Digital Competence	Use technologies to enable or enhance the performance of specific tasks.
G	Team Work	Contribute meaningfully to group based activities.
H	Career Dev	Manage their professional development; reflect on progress and take appropriate action.
I	Communications	Communicate clearly to peers to convey an understandable message in relation to specific tasks.
J	Practical Comp	Contribute to the execution of practical operations in controlled environments.
K	Autonomy	Take responsibility for studies with guidance and support. Use the resources provided to help learning.
L	Research	Recognise that research can generate theory and ideas that are used in practice.
M	Sustain Practice	Recognise the meaning and importance of sustainable practice.
N	Global	Identify international examples or case studies that are associated with the discipline.
O	Ethics	Recognises differences in perspectives and values within areas of study.
P	Placement	Not applicable.
Q	Honours	Not applicable
R	Award specific outcomes	Compare and contrast a variety of the concepts and techniques for plant production and landscape management and how they are applied in industry.
S	Award specific outcomes	Apply propagation and plant production techniques studied to a wide variety of plant materials to meet the standards and requirements of the industry.
T	Award specific outcomes	Apply practical skills and competencies to landscape design, construction and garden management situations to ensure sustainable landscapes and gardens.
U	Award specific outcomes	Apply specialist skills in scientific, technical, intellectual and managerial aspects of horticulture and the landscape industries, outside the context in which they were originally studied, especially with regard to their chosen specialism.

## Extended Foundation Degree in Horticulture (Level 4) Outcomes

A	Knowledge	Identify and describe key theories, ideas and terminology associated with the discipline.
B	Problem Solve	Solve straightforward, routine or predictable problems using strategies that are specified.
C	Analysis	Analyse data or ideas using specified procedures to generate usable findings.
D	Synthesis	Categorise information and draw on multiple sources to fulfil a specified purpose.
E	Evaluation	Review information in a balanced manner, using specified methods to fulfil a given purpose.
F	Digital Competence	Use technologies to enable or enhance the performance of specific tasks and demonstrate a commitment to developing appropriate digital competencies.
G	Team Work	Work with others to meet specified objectives and fulfil personal goals.
H	Career Develop	Recognise how learning within their programme links to future careers and identify the knowledge, skills and attributes associated with different relevant professions.
I	Communications	Communicate clearly to convey an understandable message in relation to specific tasks and audiences.
J	Practical Comp	Perform practical operations in predictable, routine situations that require the application of specified procedures.
K	Autonomy	Take responsibility for studies and self-development with guidance and support. Use the resources available to help learning.
L	Research	Recognise that research can generate theory and ideas that are used in practice.
M	Sustain Practice	Recognise the meaning and importance of sustainable practice, and identify some of the ways that sustainable practice manifests.
N	Global	Identify a range of international examples or case studies that are associated with the discipline.
O	Ethics	Recognise some ethical challenges and appreciate the need or personal responsibility.
P	Placement	Not applicable
R	Award specific outcomes	Demonstrate a broad understanding of the concepts and techniques for the plant production and landscape management and how they are applied in industry.
S	Award specific outcomes	Apply propagation and plant production techniques studied to a wide variety of plant materials to meet the standards and requirements of the industry.
T	Award specific outcomes	Apply practical skills and competencies to landscape design, construction and garden management situations to ensure sustainable landscapes and gardens.
U	Award specific outcomes	Apply specialist skills in scientific, technical, intellectual and managerial aspects of horticulture and the landscape industries, outside the context in which they were originally studied, especially with regard to their chosen specialism.

## Extended Foundation Degree in Horticulture (Level 5) Outcomes

A	Knowledge	Demonstrate a detailed knowledge of key theories, ideas and terminology associated with the discipline, with some appreciation of how knowledge is developed and used in practice.
B	Problem Solve	Select and use strategies to solve problems that are complex or unpredictable
C	Analysis	Analyse data using recognisable principles or approaches, and draw out specific findings from this process with some awareness of the limitations of the approach.
D	Synthesis	Compare and contrast ideas and/or data to strengthen evidence or arguments towards a specified purpose.
E	Evaluation	Review information using selected methods to address complex issues or problems, with an awareness of some of the limitations of the source material
F	Digital Competence	Select and use appropriate technologies to enable or enhance the performance of specific tasks, and appreciate the role information and communication technologies play in the discipline or relevant professions.
G	Team Work	Work productively with others on negotiated tasks and evaluate team performance with reference to some of the internal and external factors affecting success
H	Career Dev	Recognise, pursue and record personal development in a way that supports the needs of relevant professional employers.
I	Communications	Communicate effectively through different media and genre, for specialist and non-specialist audiences.
J	Practical Comp	Perform practical operations in more complex or unpredictable situations that require the selection and application of appropriate skills and review personal effectiveness in practical tasks.
K	Autonomy	Work independently and autonomously with only some supervision in academic and practical tasks; make decisions about when support is needed.
L	Research	Use research to inform the development of knowledge and understanding, and to inform decision-making.
M	Sustain Practice	Recognise the complexity of sustainable practice, and assess the sustainability of different practices, processes and/or developments.
N	Global	Compare and contrast international examples or case studies that are associated with the discipline and identify global factors or trends that have an impact on specific areas of study.
O	Ethics	Recognise some ethical challenges associated with research and within professional behaviour, and appreciate the role of personal responsibility and professional codes in complex ethical dilemmas
P	Placement	Not applicable.
Q	Honours	Not applicable
R	Award specific outcomes	Demonstrate a broad understanding of the concepts and techniques for the plant production and landscape management and how they are applied in industry.
S	Award specific outcomes	Apply propagation and plant production techniques studied to a wide variety of plant materials to meet the standards and requirements of the industry.
T	Award specific outcomes	Apply practical skills and competencies to landscape design, construction and garden management situations to ensure sustainable landscapes and gardens.
U	Award specific outcomes	Apply specialist skills in scientific, technical, intellectual and managerial aspects of horticulture and the landscape industries, outside the context in which they were originally studied, especially with regard to their chosen specialism.