HARTPURY
UNIVERSITY CENTRE

Programme Specification

Part 1: Basic Data			
Awarding Institution	Hartpury College		
Teaching Institution	Hartpury		
Delivery Location	Hartpury		
Study abroad / Exchange / Credit recognition	Exchange / Credit recognition arrangement in the programme		
Department responsible for programme	Agriculture		
Programme Title	BSc (Hons) Agriculture (Crop Production)		
Professional Statutory or Regulatory Body Links	None		
Highest Award Title	BSc (Hons) Agriculture (Crop Production) BSc (Hons) Agriculture (Crop Production) with integrated placement year		
Default Award Title	None		
Interim Award Titles	BSc Agriculture (Crop Production) BSc Agriculture (Crop Production) with integrated placement year Dip HE Agriculture Cert HE Agriculture Cert Agricultural Studies		
Mode(s) of Study	FT / SW / PT		
Codes	**UCAS: D402**	**JACS: D415**	
	UNIT-e: AACP	**HESA:**	
Relevant QAA Subject Benchmark Statements	Agriculture, Horticulture, Forestry, Food, Nutrition and Consumer Sciences		
Last Major Approval Date	1 September 2017 V2- 13 February 2018 V3- 1 August 2018	**Valid from**	1 September 2018
Amendment Approval Date		**Amended with effect from**	V2- 1 September 2018 V3- 1 September 2018
Version	3.0		
Review Due By	1 September 2023		

Part 2: Educational Aims of the Programme

The target award of a BSc (Hons) Agriculture (Crop Production) is a three-year full-time programme, with the option of completing a four-year degree with a placement year.

General Aims

This programme aims to introduce students to the diversity of crop production within the agricultural sector at both a local, national and global level. Students will develop comprehensive knowledge and understanding of contemporary crop production and will be able to contextualise their knowledge to evaluate management practices and propose solutions to problems commonly encountered in crop production and agronomy. Students will utilise the arable enterprise on the institutions farm growing a number of crops (winter wheat, triticale, grass leys) to support their development of knowledge, understanding and vocational skills and competency to enable them to work effectively both independently and as a part of a team across a range of arable and crop production businesses. Throughout the programme, students will be consistently exposed to research and industry best practice, internationalisation in agriculture, technological advances and how emerging research is informing agricultural practice, to equip them with the skills and knowledge to be a valuable attribute to any crop production and agronomy business.

The specific aims of the programme are:

1. To equip students with a broad understanding of mixed agricultural practice and a comprehensive knowledge and understanding of multiple facets of crop management, production and protection systems. and uses this knowledge to study agronomy in multiple environments and from a national and global perspective
2. To articulate theory into practice to propose and defend realistic and novel solutions to emerging issues within crop production and crop protection systems.
3. To provide students with the skills to evaluate the role of the supply chain and identify novel ideas to add value within the crop production chain.
4. To expose students to new plant breeding and crop protection technologies and their role in optimising production and meeting relevant legislation.
5. To provide students with the opportunity to think constructively and critically, and to engage in professional debate to evaluate concepts and theories of crop production and crop protection systems with industry representatives.
6. To equip students with the skills to engage in quality assurance and to be adaptable to the changing demands of consumers to ensure that crop production meets its markets at home and for export.
7. To ensure students are aware of, and appreciate current production and legislation, industry standards and methods of good practice including health and safety to minimise risk to people and improve production methods and optimise performance.
8. To develop vocational competencies and graduate attributes in crop production and crop protection which enhance students' employability prospects through exposure to best practice and diverse work placement opportunities both in the UK and overseas.
9. To give the students the opportunity to design, construct and undertake scientific research in the field of crop production and crop protection.
10. To encourage the effective use of reflective practice to enhance personal and professional development to develop confidence and positive self-esteem.
11. To evaluate sustainable mechanisms used within crop production and crop protection.
12. To expose students to global agricultural practices and different cultures, though opportunities to engage in international study and work experiences,
13. To create autonomous and determined individuals who question practice and apply the skills they have learnt to propose effective solutions to real-world agronomy problems in a professional manner

Programme requirements for the purposes of the Higher Education Achievement Record (HEAR)
The honours degree in Agriculture (Crop Production) produces graduates who understand the global complexity of modern crop production and crop protection, and who are capable of work within the sector in a variety of roles. Graduates have been exposed to a range of agricultural practices including placements within the crop production sector which have developed and honed their vocational skills and competencies. They have gained comprehensive knowledge and understanding of crop production, crop protection, and management and business principles. They will be confident and capable of applying their subject knowledge to assist with the practical application of production and protection methods, evaluating and applying modern technology and making management decisions to optimise production and propose effective solutions to common industry problems within the arable sector including, procurement and processing businesses both in the UK and internationally.

Part 3: Programme Structure for BSc (Hons) Agriculture (Crop Production)

This structure diagram demonstrates the student journey from Entry through to Graduation for a typical **full time student**, including:

1 level and credit requirements
2 interim award requirements
3 module diet, including compulsory and optional modules

ENTRY		Compulsory Modules	Optional Modules	Interim Awards
	Foundation Year	Foundation Skills Development (HANV8A-30-3) Academic Skills in Practice (HANV8B-30-3) Reviewing Literature (HANV8C-15-3) Foundation Agricultural Studies (HAGV8V-15-3) Foundation Biological Principals (HANV8E-30-3)	Not applicable	<u>Cert Agricultural Studies</u> Requirements: completion of at least 60 credits at level 3 or above of which not less than 50 at level 4. <u>Cert HE Agriculture</u> Requirements: 120 credits at level 3 or above of which not less than 100 are at level 4 or above. <u>Dip HE Agriculture</u> Requirements: 240 credits at level 3 or above of which not less than 220 are at level 4 or above and not less than 100 at level 5 or above. <u>BSc Agriculture (Crop Production)</u> Requirements: 300 credits at level 3 or above of which not less than 280 are at level 4 or above, not less than 160 at level 5 or above and not less than 60 at level 6 or above. <u>BSc Agriculture (Crop Production) with integrated placement year</u> Requirements: 300 credits at level 3 or above of which not less than 280 are at level 4 or above, not less than 160 at level 5 or above and not less than 60 at level 6 or above. This must include the Year Work Placement module HANVK6-15-5. **Target Award:** <u>BSc (Hons) Agriculture (Crop Production)</u> Credit Requirements: 360 credits at level 3 or above of which not less than 340 are at level 4 or above, not less than 200 are at level 5 or above and not less than 100 at level 6 or above. This must include all compulsory modules <u>BSc (Hons) Agriculture (Crop Production) with integrated placement year</u> Credit Requirements: 360 credits at level 3 or above of which not less than 340 are at level 4 or above, not less than 200 are at level 5 or above and not less than 100 at level 6 or above. This must include all compulsory modules and the Year Work Placement module HANVK6-15-5.
	Year 1	HAGV74-45-4 Skills Development for Agriculture HAGV75-30-4 Crop Production and Soil Management HAGV76-30-4 Livestock Science and Husbandry HAGV77-15-4 Sustainable Agriculture	Not applicable.	
	Year 2	HAGV78-30-5 Farm Business Management and Agricultural Policy HANXU5-15-5 Undergraduate Research Process HAGV79-30-5 Agronomy HAGV7A-15-5 Agricultural Technologies	**Students must choose 30 credits from either of the following options;** **Option One** HANXRX-15-5 Independent Report **Option Two** **Students may choose one of the following three modules:** HANXRP-15-5 International Study Academic Portfolio OR HAGV7B-15-5 Professional Practice Portfolio OR HAGV7C-30-5: Professional Practice Project	
	Placement Year	Placement Year: Students can undertake an optional year for work placement in agricultural or allied industries, which can be completed in the UK or abroad and must be equivalent to 40 weeks' worth of work. Examples of year placements would include on farm positions, working within agricultural consultancy (crop production), agricultural marketing, business management and food security / food safety positions. Students will complete module HANVK6-15-5 as part of their placement year.		
	Year 3	HANV3R-45-6 Undergraduate Dissertation HAGV7D-30-6 Industry Reflection on Agricultural Practice HAGV7E-15-6 Developments in Crop Production	**Students are required to select 30 credits from the following options;** HANV3M-15-6 Undergraduate Independent Study HAGV7F-15-6 Supply Chain Management HSPV44-15-6 People Leadership and Change HSPV54-15-6 Strategic Management	
GRADUATION				

Part time:
The part time student journey from Entry through to Graduation is individually negotiated with the student.

Part 4: Learning Outcomes of the Programme

The award route provides opportunities for students to develop and demonstrate knowledge and understanding, qualities, skills and other attributes in the following areas:

Learning Outcomes:	**Skills Development for Agriculture**	**Crop Production and Soil Management**	**Livestock Science and Husbandry**	**Sustainable Agriculture**	**Farm Business Management and Agricultural Policy**	**Undergraduate Research Process**	**Agronomy**	**Agricultural Technologies**	Independent Report	International Study Academic Portfolio	Professional Practice Portfolio	Professional Practice Project	Year Work Placement	**Undergraduate Dissertation**	**Industry Reflection on Agricultural Practice**	**Developments in Crop Production**	Undergraduate Independent Study	Supply Chain Management	Strategic Management	People Leadership and Change
A) Knowledge and understanding of:																				
1. A range of techniques, technologies and management theories used within global agriculture to support crop production.	✓	✓		✓	✓		✓	✓			✓	✓			✓	✓		✓	✓	✓
2. The key vocational skills and techniques required to work safely and effectively in the global arable sector		✓			✓		✓	✓					✓		✓	✓		✓	✓	
3. Agricultural science and its application into practice to propose solutions to industry problems with respect to crop production, crop protection and farm management	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓			✓			
4. Supply chain management, added value and marketing of crop produce to meet markets at home and overseas..					✓		✓				✓	✓	✓					✓	✓	
5. Sustainable resource planning and management of land, capital, labour, machinery to ensure continued crop production		✓		✓	✓		✓				✓	✓			✓	✓		✓	✓	✓
6. Agricultural policy, legislation and industry standards in relation to crop production, crop protection and farm management	✓	✓		✓	✓		✓			✓			✓			✓		✓	✓	✓
7. The strategies used to reflect upon personal and business performance and set targets for future development and progression.	✓		✓		✓	✓			✓	✓	✓	✓	✓		✓					✓
8. The broad range of techniques including benchmarking and technologies utilised within modern global agriculture to monitor the success of crop production, crop protection.		✓			✓		✓	✓		✓						✓			✓	
(B) Intellectual Skills																				
1. Evaluate best practices and apply these too solve problems within crop production and crop protection to optimise production, yield and performance.	✓	✓		✓	✓		✓	✓							✓	✓			✓	
2. Identify, analyse and discuss key production theories, concepts and principles within agronomy from a range of disciplines professionally in written and oral communication.	✓			✓	✓				✓			✓		✓			✓	✓		
3. Critically evaluate strategies used to increase crop production with respect to sustainability and policy		✓		✓	✓		✓									✓				
4. Use statistical means to support arguments and to investigate theories relating to business performance in the arable sector		✓			✓		✓							✓		✓		✓	✓	

Part 4: Learning Outcomes of the Programme

5.	Use self-reflection to monitor their own progress in theoretical and practical agriculture, especially whilst engaged with industry	✓	✓	✓							✓	✓	✓	✓		✓						
6.	Demonstrate the ability to apply informed decision-making in complex and unpredictable contexts in the management of crop production and crop protection systems, within variable environments					✓		✓	✓								✓		✓	✓	✓
7.	Combine theoretical knowledge and practical experience appreciating and analysing financial and other management information and using it in decision-making to devise realistic management and business plans.					✓		✓											✓	✓	✓
(C) Subject/Professional/Practical Skills																					
1.	Demonstrate the vocational and personal skills to work safely and effectively within the agronomy sector both nationally and internationally.	✓	✓		✓	✓		✓	✓		✓	✓	✓	✓		✓	✓		✓	✓	✓
2.	Engage with relevant work placement providers to develop industry experience in a range of arable enterprises, supply chain or processing businesses either nationally or internationally.	✓	✓									✓	✓	✓		✓	✓		✓	✓	✓
3.	Demonstrate the academic and vocational skills developed through study and industry placements in order to progress through the degree programme.	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4.	Benchmark agronomy related performance measures in context of national and international standards, and carry out comparison across businesses or sectors within the agricultural industry					✓		✓				✓	✓			✓				✓	
5.	Develop written and oral communication skills to disseminate information to a wide audience of peers, farmers and industry representatives.	✓	✓	✓		✓		✓				✓	✓			✓	✓		✓	✓	✓
6.	Collaborate with placement providers to undertake relevant research within crop production and crop protection											✓	✓	✓	✓	✓	✓		✓	✓	✓
7.	Identify, present and defend realistic proposals and solutions to relevant problems within chosen industry placement											✓	✓			✓	✓		✓	✓	✓
8.	Demonstrate a commitment to continuing professional development and lifelong learning through the development of initiative, leadership and team skills in relation to self-directed and independent study, developing an adaptable and flexible approach to study and work.	✓				✓	✓			✓	✓			✓	✓	✓	✓				
(D) Transferable skills and other attributes																					
1.	Communicate effectively through written and verbal means with the wider agricultural industry both nationally and internationally					✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
2.	Prepare and present data using a range of sources and techniques for peers, enterprise managers and the global arable industry.										✓	✓	✓	✓	✓	✓					
3.	Liaise with key stakeholders to promote arable produce in an effective manner		✓			✓		✓				✓	✓	✓					✓	✓	
4.	Utilise problem-solving skills in a variety of theoretical and practical situations.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.	Take responsibility for personal and professional learning and development setting realistic targets to	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Part 4: Learning Outcomes of the Programme

	achieve goals and responsibilities with a positive intent.																				
6.	Manage time effectively in order to prioritise workloads during peak production within the arable sector in order to meet targets and objectives		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7.	Possess the ability to work successfully both independently or as part of a team within crop production, crop protection or farm management		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Part 5: Student Learning and Student Support

Teaching and learning strategies to enable learning outcomes to be achieved and demonstrated

There is a policy for a minimum average requirement of 15 hours in year one and 12 hours/week contact time over the course of the full undergraduate programme. This contact time encompasses a range of face: face activities as described below. In addition a range of other learning activities will be embedded within the programme which, together with the contact time, will enable learning outcomes to be achieved and demonstrated.

The Agriculture (Crop Production) programme utilises a mixture of teaching approaches, which aim to support the student to develop a comprehensive knowledge and understanding of the principles of crop production and agronomy. Learning opportunities are varied with students able to apply theory to practice on the institutions farm, during industry engagement, and through periods of work placement and study exchanges. The teaching and learning strategies employed within modules aims to develop graduates who can assimilate complex paradigms and propose justified solutions to problems related to agriculture. A feature of the Foundation Year will be the facilitated workshops and individual study, enabling students to benefit from small-group study.

The Agriculture (Crop Production) will have the following distinct unique selling points for each year of delivery:

Foundation Year: delivery focuses on developing a foundation in scientific and academic knowledge alongside a grounding in vocational skills.
The Foundation Year will prepare students with general study skills and opportunities to develop subject specific skills and knowledge. Additionally the Foundation year includes an internship enabling a student to put their skills into practice and develop an early appreciation of employment opportunities and attributes necessary for enhanced employability.

Year 1: delivery is focused on building a practical and scientific foundation in agriculture to support students' academic and interpersonal skill development alongside vocational competency.
To achieve this the first year takes an experiential approach to learning and concentrates on the development of fundamental knowledge and understanding of the agricultural industry and intellectual skills through lectures, seminars, practical and academic workshops and industry engagement. This enables students to analyse, evaluate and synthesise information and opportunities are provided for students to apply the knowledge they have gained into practice on the institutions farm arable enterprise, that consists of a range of crops (winter wheat, triticale, grass leys) and livestock enterprises (dairy, sheep. beef, veal, deer), as well as through visits to external farms (to see a range of alternative crops) and industry. Students will also develop their vocational skills during their time on the institutions farm and during work experience and practical sessions. Access to a skills development bursary will also allow students to undertake and achieve industry recognised competency certificates to support their work readiness.

Year 2: delivery aims to consolidate the practical and vocational skills developed in the first year of study within industry environments. Students are encouraged to evaluate the impact and constraints of management systems and practices within crop production and crop protection,
In the second, year students continue to apply their knowledge and understanding through evidenced based learning, application into practice and exposure to best practice through a range of visits to industry and guest speakers. Optional modules allow students to tailor and build their specialist knowledge within the arable sector. Delivery will encourage students to develop their autonomy, engage in reflection and will reinforce the competencies developed in year one. There are also opportunities for students to undertake international study or professional practice within the industry. International study will enable the students to experience a different culture and develop an international perspective of the arable industry. This will allow them to apply different

production and management techniques and strategies to propose solutions to industry problems as well as gain professional practice experience, which will allow students to apply their knowledge and understanding within industry and will develop their academic and vocational skills.

<u>Placement Year (optional)</u>: Students have the opportunity to further develop their employability and can experience different husbandry and production methods used within modern crop production and crop protection within either a regional, national or international environment.

<u>Year 3</u>: Delivery aims to provide students with opportunities to apply research and the skills they have developed into practice facilitating individual specialisation within their chosen career path.
The final year concentrates on the individual development of the student and their expansion of their career path within the arable sector. Students will engage with an extended period of work placement which will refine their ability to work effectively in the arable sector and further develop core graduate attributes to support employability. Taught content will focus on evaluation of emerging issues across the diversity of global crop production and crop protection and students will be encouraged to engage in evidence based learning, with opportunities to put this into practice provided during industry or research focused projects.

There is a policy for a minimum average requirement of 15 hours/week contact time in year one, 12 hours/week contact time in year two and flexible contact hours/week in year 3, during the full undergraduate programme. This contact time encompasses a range of face-to-face activities as described below. In addition, a range of other learning activities will be embedded within the programme, which, together with the contact time, will enable learning outcomes to be achieved and demonstrated.
On the Agriculture (Crop Production) programme teaching is a mix of scheduled, independent and placement learning

Scheduled learning includes: lectures, seminars, tutorials, project supervision, demonstration, practical classes with livestock; fieldwork and crop walking, external visits to farms and allied industries including plant breeders, chemical manufacturers; work based learning on the institutions farm; supervised time in laboratories. Scheduled sessions may vary slightly depending on the module choices made.

Independent learning includes hours engaged with essential reading, case study preparation, assignment preparation and completion, attendance at conferences and relevant industry shows / demonstrations. Scheduled sessions may vary slightly depending on the module choices made.

Placement learning: includes industry placements, farm duties on the institutions farm and an optional placement year in the UK or overseas.

International Academic Study
Within this programme, there is an opportunity to gain academic credit for a period of studying abroad. The student would be supported to identify an opportunity of interest, which may be with established institutions partners or by individual arrangement. All periods of study abroad would have to meet the institutions requirements before enrolment on the International Academic Study opportunity modules.

Description of the teaching resources provided for students

Students will have access to the institutions onsite farm arable enterprise consisting of a range of crops (wheat, triticale, grass leys). The students will have access to the farm and the institutions estate for vocational skills development in the first year as well as allowing the students to apply their knowledge and understanding into practice within the arable enterprise, throughout all years of study. Students will have access to the arable enterprise and the wider institutions estate in order to conduct research throughout their study alongside industry partners in both crop

production and crop protection During their research students will be fully supported by academic staff, laboratory staff and industry mentors.

A range of equipment is available for students to develop their vocational skills in a safe teaching environment on the farm, this includes modern agricultural machinery from a number of manufacturers (tractors, drills, mechanical handlers), links to machinery manufacturers due to an existing working relationship, electronic data collection which will allow students to collect data and monitor crop yields and production performance and laboratories which can facilitate soil analysis (pH, texture and mineral content)

A specialist classroom is situated at the farm which allows for a seamless transfer between theory and practical activities. The teaching team have a high degree of industry relevant experience that covers all aspects of the programme and are actively engaged in research and knowledge exchange activities. An extensive list of placement providers has been built up over the past five years alongside a comprehensive network of farms and industry visits, which are used to allow students to see alternative practice and management systems

Existing placement providers offer a range of opportunities in the UK and overseas (New Zealand, Australia, Africa, Canada). These opportunities cover the wide spectrum of crop production systems, crop protection and management) and allied industries (plant breeders, processors and consultancy). These placements will expose students to real world crop production as well as allowing students to further develop a range of vocational skills, develop their knowledge and understanding and apply theory into practice.

Agreements with partner establishments overseas will allow students to undertake a period of academic study abroad. Partnerships with Delaware valley in the USA and Dalhousie in Canada will allow students the opportunity to study overseas for a semester in their second year and gain credit for this in the form of short course certificates as well as module completion. Existing connections overseas will assist students in finding appropriate arable placements for both the placement year and the final year of the degree programme.

Students have access to the institutions learning Centre (ULC) 24 hours a day, seven days a week to support their studies. The ULC contains a wide range of text books and journals alongside ICT facilities which include agricultural specific software such as Farmplan and Gatekeeper. Within the ULC there are specific areas for individual study, group study and a higher education flexible study zone. These facilities are all available to students to support their studies.

Description of any Distinctive Features

The Agriculture (Crop Production) programme is designed to expose students to real-world agronomy practice, with opportunities embedded at all levels to engage with industry in teaching, observing practice and during study trips in the UK and overseas. This approach will provide a balanced vocational and academic study that is intellectually challenging, vocationally relevant, and provides a foundation for pursuing a career within the arable sector and its allied industries. The programme will have the following distinctive features

- Teaching and learning strategies are designed to ensure students are given opportunities to apply theory into practice on a fully commercial mixed farm with encompasses commercial arable enterprise.
- Placement opportunities with a range of regular employers and providers throughout all years of the programme both in the UK and Overseas. These placements cover a wide range of opportunities in the arable sector and allied industries.
- Overseas study trip and extended international academic study with partner universities in the USA and Canada.
- An optional overseas placement year with that will expose students to different working practices and cultures and to real world agriculture and agronomy.
- Students are able to shape and personalise their own individual learning experience and journey throughout the programme in order to match future career aspirations with the

arable sector. This will be achieved through optional module choices and placement opportunities within industry throughout the degree and particularly in the final year, supported by a training bursary of £1,000.

- Research opportunities with industry partners are embedded throughout the programme that is fully supported by academic and industry mentors / supervisors.
- Modules are timetabled to allow students to follow the crop production cycle.
- The final year of the programme is spent in placement predominately in industry, in a self-selected placement, during which students will be working with industry peers to engage in and will include industry relevant practice and research to propose novel solutions to placement specific problems. Idustry involvement in assessment setting and assessing alongside teaching and opportunities to put knowledge into practice.
- The opportunity to develop theoretical and vocational skills contextualised to support employment in agronomy but which are transferable to allied agriculture sectors, offering graduates diverse and varied career progression
- Designed to develop and support a can do attitude in graduates, to produce autonomous and determined individuals who question practice and apply the skills they have learnt to propose effective solutions to real-world problems in a professional manner.

Part 6: Assessment

This module will be assessed according to the Academic Regulations published for the academic year on the website http://www.hartpury.ac.uk

Assessment Strategy

Assessment strategy to enable the learning outcomes to be achieved and demonstrated:
Assessment throughout the programme has been designed to assess the student's ability to apply theoretical principles and current research to practice in order to resolve and provide solutions to real world issues within the field of Agriculture, with a focus on agronomy. This will be achieved via a wide variety of assessment methods, including a range of single assessment portfolios, traditional examinations, written reports, oral presentations, practical exams and practical skills assessment and assignments.

Portfolios have been selected because they capture within a single point of assessment a number of opportunities for the student to demonstrate the skills and experience of learning opportunities that can be synthesised into practice. The portfolios will include elements of personal and industry reflection, short answer questions, practical skills assessment and written reports.

The inclusion of oral presentations and mock interviews in the first year will help prepare students for placement application throughout the programme as well as building their confidence in delivering information to industry in the form of business plans, crop protection plans and research findings.

The assessment strategy also embeds opportunities for students to achieve practical 'employment ready' vocational skills applicable to agriculture across different modules and levels of the programme. Simultaneously opportunities to develop key graduate attributes such as critical writing, team working, communication and other interpersonal skills are also embedded within modules across each year of the programme to ensure the student can function effectively within the agricultural sector. There will be a number of formative assessment opportunities to support students towards their summative assessment, these will be through academic and practical skills workshops through the Achievement and Success Centre at the institution, on the institutions farm, individual and group tutorials with tutors and industry support during employment on placements.

In response to industry feedback there has been a conscious move through the years of the programme to develop students' autonomy, confidence, critical and problem solving skills with increasing access and involvement with employers in assessment. This will provide students with 'live briefs' for assessment that will allow them to propose solutions to industry specific challenges and scenarios that they will face in their future careers in the industry. This will develop their

industry ethos and show them that they can succeed in signposting their personal, academic and professional development

The assessment strategy has been designed to promote effective learning and engagement and to ensure that student knowledge, understanding, abilities and skills required for this programme can be comprehensively evaluated. In line with the institutions commitment to facilitating equal opportunities, a student may apply for alternative means of assessment if appropriate. Each application will be considered on an individual basis taking into account learning and assessment needs. For further information regarding this please refer to the VLE. The range of assessments utilised are detailed in the following assessment map:

Assessment Map

The programme encompasses a range of **assessment methods** and these are detailed in the following assessment map:

		Type of Assessment*									
		Unseen Written Exam	Open Book Written Exam	In-class Written Test	Practical Exam	Practical Skills Assessment	Oral assessment and/or presentation	Written Assignment	Report / Project	Dissertation	Portfolio
Compulsory Modules Level 3	Foundation Skills Development	A (25)				B (75)					
	Academic Skills in Practice						A (25)		B (75)		
	Reviewing Literature							(A100)			
	Foundation Agricultural Studies			B (50)			A (50)				
	Foundation Biological Principals				A (50)						B (50)
Compulsory Modules Level 4	Skills Development for Agriculture					A (100)					
	Crop Production and Soil Management										A (100)
	Livestock Science and Husbandry					A (100)					
	Sustainable Agriculture						A (50)		B (50)		
Compulsory Modules Level 5	Farm Business Management and Agricultural Policy		A (50)				B (50)				
	Undergraduate Research Process								A (100)		
	Agronomy				A (30)	B (70)					
	Agricultural Technologies						A (100)				
Optional Modules Level 5	Professional Practice Portfolio										A (100)
	Professional Practice Project						B (25)				A (75)
	International Academic Study Portfolio										A (100)
	Independent Report		A (25)					B (75)			
Optional Level 5 Placement	Year Work Placement										A (100)
Compulsory Modules Level 6	Undergraduate Dissertation									A (100)	
	Industry Reflection on Agricultural Practice										A (100)
	Developments in Crop Production		A (100)								
Optional Modules Level 6	Undergraduate Independent Study							A (100)			
	Supply Chain Management						A (100)				
	Strategic Management								A (100)		
	People Leadership and Change				A (25)			B (75)			

*Assessment should be shown in terms of either Written Exams, Practical exams, or Coursework as indicated by the colour coding above.

Part 7: Entry Requirements

Applicants will have achieved entry criteria appropriate for the year of entry, which can be found through the institutions website (www.hartpury.ac.uk).
We also welcome applicants from a diverse range of backgrounds who do not have the entry requirements outlined above. Applicants will be considered on the basis of evidence of personal, professional and educational experience which indicates an applicant's ability to meet the demands of the programme. Where appropriate experience or learning has been gained prior to enrolment on the programme RPL/RPEL may be possible.
Applicants whose first language is not English must also gain a minimum IELTS score of 6.0 prior to entry onto the programme.

Part 8: Reference Points and Benchmarks

Description of ***how*** the following reference points and benchmarks have been used in the design of the programme:

QAA UK Quality Code for HE

Has been used to define the minimum level of achievement that students need to achieve to succeed on this programme and achieve the qualification. It has also been used to inform the academic quality of the programme and enhance the quality of the learning opportunities and the assessment methods used to measure achievement on the programme.

The Standards and Guidelines for Quality Assurance in the European Higher Education Area (ESG) 2015

The programme has been designed considering how it addresses aspects of part one of the ESG. In particular the programme has been designed so that it meets 'the objectives set for them, including the intended learning outcomes. The qualification resulting from a programme should be clearly specified and communicated, and refer to the correct level of the national qualifications framework for higher education and, consequently, to the Framework for Qualifications of the European Higher Education Area.'

Additionally the design and teaching, learning and assessment strategy within this programme encourages the programme to be 'delivered in a way that encourages students to take an active role in creating the learning process, and that the assessment of students reflects this approach'.

Relevant subject benchmark statements (Veterinary Sciences, Agriculture, horticulture, forestry, food and consumer sciences and Biosciences) have informed the characteristics of the subject matter and curriculum development of the programme, the programme learning outcomes and the attributes that a graduate of this programme should be able to demonstrate.

Hartpury 2020 Strategy and the Teaching and Research Excellence Strategy 2017-2021

These have been used in designing this programme to ensure that the programme is: learning-centred; underpinned by sound health and safety practices and informed by research and professional practice; inclusive, flexible and accessible, exemplified in particular by the part-time and accelerated study routes; and, provides a diverse assessment diet. Furthermore, the programme aims to produce graduates who: know and value themselves as open-minded, reflective and inter-dependent learners, and participants, employees, self-employed professionals and entrepreneurs in global settings and as global citizens; and, reflect on their own learning and practice, who value others as collaborators in their learning and its exchange.

Assessment within the programme: is an integral part of a dynamic learning and teaching process and not separate from it; plays a key part in the rigorous setting and maintaining of academic standards; provides all students with the entitlement to parity of treatment; makes no distinction between different modes of study; ensures that progression is achieved by credit accumulation and the completion of pre-requisites and co-requisites; recognises different module learning in different forms of assessment; and, affords students the maximum opportunity to demonstrate their knowledge, skills, competencies and overall strengths through a variety of assessed activities.

Staff research

The proposed modules for this Agricultural programme are based on well established teaching areas within the institution. These modules will be taught by staff who are either research or consultancy active, or actively engaged in scholarly activity, and who bring their current experience to bear on their teaching.

Employer interaction/feedback:

Feedback has been sought from a range of employers within the agricultural sector. These industry panel discussions centred on the purpose of the programme and the skills and knowledge needed to ensure the programme is current and relevant to employers. Industry employers were also included on the periodic curriculum review.Feedback was also sought on the programme from Alumni, present and future students.

This specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. More detailed information on the learning outcomes, content and teaching, learning and assessment methods of individual modules can be found in module specifications, available on the Institution's website.

HARTPURY
UNIVERSITY CENTRE

Programme Amendment Log

Programme Title:	BSc (Hons) Applied Agriculture (Crop Production)
Programme Code:	D402/AACP
Initial Approval Date:	1st September 2017
Approved by:	Hartpury Curriculum Approval Committee
Approved until:	01 September 2023
Original version number	V1.0

Changes:
Version 3.0

Rationale: The UCAS Course Search mechanism was altered leading up to 2018, and this meant that if a prospective applicant typed in 'Agriculture' the Applied Agriculture (Crop Production) title was not returned. An amendment was therefore required and following consultation a simpler title of Agriculture (Crop Production) was chosen.	
Material Alteration: Yes and Course Information Sheet amended appropriately: Yes	
Outline Change Details: Programme title changed from BSc (Hons) Applied Agriculture to BSc (Hons) Agriculture	
Change requested by:	Phillip Watson
CVC approval date:	01 August 2018
Change approved with effect from:	01 September 2018
New version number:	V3.0

Version 2.0

Rationale: Addition of Foundation Year as an entry point into this programme and therefore this has been reflected in the appropriate sections.	
Material Alteration: Yes **and Course Information Sheet amended appropriately:** Yes	
Outline Change Details: To increase access and widening participation opportunities for this programme.	
Change requested by:	Phillip Watson
CVC approval date:	13 February 2018
Change approved with effect from:	01 September 2018
New version number:	V2.0