HARPER ADAMS UNIVERSITY
Programme Specification

1	**Awarding Institution:**	Harper Adams University
2	**Teaching Institution:**	Askham Bryan College
3	**Course Accredited by:**	Not applicable
4	**Final Award and Level:**	BSc / BSc (Hons) (Level 6)
5	**Interim Award(s) and Level(s):**	Certificate of Higher Education Agriculture (Level 4) Diploma of Higher Education Agriculture (Level 5) BSc Agriculture (Level 6)
6	**Award Title:**	Agriculture
7	**UCAS Code:**	D4U9
8	**HECoS and CAH2 Group(s):**	**HECOS** 100517 Agriculture 50% 101006 Agricultural Technology 30% 100978 Farm Management 20% **CAH** CAH06 CAH06-01-03
9	**QAA Benchmark Statement(s):**	Accounting (2019) Agriculture, Horticulture, Forestry, Food and Consumer Sciences (2019)
10	**Language of Study:**	English
11	**Mode of Study:**	Full-Time/Part-Time
12	**Course Duration:**	See section below
13	**Date Approved or Revised:**	Validation Event held on 4th May 2023 (September 2023 – August 2029**)** Revised Programme Review Committee 21st July 2025 for delivery from 2025-26 academic session.

CONTEXT AND RATIONALE

The BSc/BSc (Hons) Agriculture provides students with the requisite academic grounding, together with the broader science, technical and management skills that are required to develop and build a career in the increasingly technical and continually changing global agricultural sector.

The programme using underpinning science and theory, will develop technical and managerial skills, in livestock, crop production, the integration of the wide range agricultural production systems, environmental sustainability, rotations, equipment, housing and storage facilities that are used in the commercial industry.

The modular programme makes studying while you work accessible, it provides a more flexible approach to learning with delivery focused to fit in with demands of those wanting to be actively involved in the industry or earn an income.

The flexibility of the hybrid approach to studying allows time to work while studying as lectures are focused on specific days of the week, with content and support being available outside of this to fit into busy 24/7 lifestyles or busy times within the agricultural year.

The uniqueness of the BSc/BSc (Hons) Agriculture lies in its flexibility which allows students to work within the agricultural industry to develop and apply their technical and managerial skills as they study.

The online, in-industry and onsite approach to delivery adds to the flexibility allowing access from any location with content and support being available outside of this to fit into busy 24/7 lifestyles or busy times within the agricultural year.

Unique Selling Points:

- Study while working to develop the skills and knowledge that are in demand in this dynamic, exciting and opportunity driven Sector.
- In-class, Online and In-industry learning to provide the flexibility to fit into the demands of a 24/7 lifestyle, location, travel and demands of work.
- Use the experience of visits and discussion with leading businesses to understand how the latest techniques and approaches are applied.
- Build an understanding of how to use, science, technology, the management of people, and resources, as you work, to develop your career.
- Learn how to identify opportunities, set targets, plan, and work towards meeting your personal, career and business objectives.

GENERIC AIMS

All BSc/BSc (Hons) 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 on people.

6) To provide a lively, stimulating and challenging educational experience.

AWARD-SPECIFIC AIMS

The BSc/BSc (Hons) Agriculture award aims to provide the following:

1. To develop the scientific, technical and business-related knowledge to undertake a variety of roles specific to the agricultural sector.

2. To develop an appreciation of the resources, finance, marketing, legal and stakeholder requirements necessary in managing an agriculture or agricultural related business.

3. To develop an awareness of the technological developments and the trajectory of technological and scientific innovation in the field of agriculture and the wider sector

4. To develop an awareness of the social, ethical, and environmental issues concerned with agriculture and the wider sector.

5. To develop a knowledge of experimental, statistical' and computing techniques relevant to generate a dissertation or research project that uses a range of agriculturally relevant information.

GENERIC OUTCOMES

On successful completion of BSc/BSc (Hons) Agriculture awards, students will be able to:

A. Demonstrate a specialised knowledge of a range of theories, ideas, terminology and contexts associated with the discipline, with a clear appreciation of the ways in which knowledge is developed and the provisional nature of knowledge.

B. Select, devise, and evaluate the use of appropriate strategies to solve complex, unpredictable, ambiguous and real-world problems.

C. Analyse complex data using appropriately selected techniques; draw out robust findings in this process; and thoroughly evaluate the effectiveness of the analytical strategy.

D. Select and combine ideas and/or data to generate meaningful and convincing composite evidence or arguments with a clear purpose.

E. Review complex and unpredictable information to address unpredictable, ambiguous, or real-world problems, with a good awareness of the limitations of both the material under review and the analytical approach.

F. Select, use, and evaluate technologies to enable or enhance the performance of specific tasks, and appreciate the evolution of technology in their discipline.

G. Work effectively with others, with minimal or no supervision, to achieve positive outcomes; demonstrate leadership and management capabilities within a team situation; and, critically assess their personal contribution to the team.

H. Recognise, pursue, record and reflect on personal development to pursue personal career goals and appreciate the changing nature of the workplace and the need for personal resilience and lifelong learning.

I. Communicate effectively and professionally for a range of different purposes and through different modes, with consideration of audience needs as well as other contextual factors such as commercial sensitivity, impact maximisation and accessibility requirements.

J. Perform practical operations in complex, unpredictable, real-world situations that require the selection of combined or novel practical skills and critically review personal effectiveness in practical tasks with reference to relevant professional standards.

K. Act independently and autonomously with minimum supervision in academic and practical tasks.

L. Select and use research to inform the development of knowledge and understanding, and to inform decision-making.

M. Evaluate the sustainability of practices, processes or developments, with attention to different stakeholder perspectives, unintended consequences, economic and social dimensions, or environmental considerations.

N. Compare and contrast international examples or case studies that are associated with the discipline and work with an active awareness of global factors or trends that have an impact on specific areas of study.

O. Locate a range of ethical issues associated with their own research or professional behaviours, and demonstrate personal responsibility for ethical choices, including adherence to professional codes in complex ethical dilemmas.

P. Not applicable

Q. Effectively plan and undertake research and produce a dissertation (honours route only).

AWARD-SPECIFIC OUTCOMES

On successful completion of the BSc/BSc (Hons) Agriculture, students will be able to:

R. Develop and apply key scientific knowledge to situations relating to the agriculture sector.

S. Interact with stakeholders, critically evaluate their needs and communicate using a variety of methods and technologies.

T. Critically evaluate external factors and their potential influence on agriculture and the wider related sector.

U. Evaluate rural enterprise activity relating to agriculture and the wider sector.

RELATIONSHIP WITH EXTERNAL REFERENCE POINT(S)

The aims and outcomes of this Honours Degree programme reflect the level descriptors for higher education qualifications, part of the QAA Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies (2014).

The award is reflected in the benchmark statements for Agriculture, Horticulture, Forestry, Food, Nutrition and Consumer Sciences (2019) and Biosciences (2023) as well as Earth Sciences, Environmental Sciences and Environmental Studies (2022). In addition, the themes of sustainability and globalisation are embedded.

The BSc/BSc (Hons) Agriculture will provide students with the requisite academic grounding, together with the broader science, technical and management skills that are required to develop and build a career in the increasingly technical and continually changing global agricultural rural sector, addressing the above issues and those highlighted in the Harper Adams University Strategic Aims meeting the requirements of current sector influence and employer requirements highlighted below:

Sector Influence/Employers:

- Driven by Yorkshire Regional Economic Strategy: Science, conservation, and sustainable food production.
- Requirement for highly skilled, technical proficient individuals with potential
- Identified skills gap Agri-Food Industry Workforce Skills and Development Strategy 2018 – Requirement: Entrepreneurial people with management and leadership, business, marketing, and all agri-food, skills.
- Added pressure removal of Basic Farm Payments and introduction of the Environmental Land Management Scheme.
- Polarised Department for Environment, Food and Rural Affairs (DEFRA) approach: Delivery of Public Good and Improvement in Productivity within the Sector
- Need to reverse the increasing age of the workforce by developing adaptable, technical proficient and motivational leaders.

PROFESSIONAL ACCREDITATION ARRANGEMENTS

None.

COURSE 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 12 weeks duration, in addition to directed study weeks and examination periods.

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

The maximum period of registration is two years beyond the expected course duration, to allow for periods of approved postponement or repeat study.

Progression

On successful completion of the BSc (Hons) students may be eligible to study the following programmes:

MSc Applied Animal Behaviour and Welfare

Module Compensation Exclusions

The following modules are not eligible for compensation within the BSc/BSc (Hons) Agriculture programme:

Part 1 modules: Academic Writing and Research
Part 2 modules: Research Skills - Agriculture
Part 3 modules: Research Project

Transfer

BSc (Hons)

For transfer between courses, students may transfer all credits and marks from the cross-college core modules into the destination award. Only in the case of pre-requisites have not been met will students be required to study credit in addition to the normal study load during years two and three (Level 4 and Level 5).

BSc Top Up
For an Ordinary Degree BSc Agriculture candidate to progress to Honours Degree they must have completed a minimum of 80 credits after re-assessment at Level 6 and achieved a mean grade of >55%.

Students eligible to progress to part three may choose to transfer to the BSc Animal Bioscience and Management Ordinary Degree route, in consultation with their Course Manager and subject to pre-requisites.

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. The course structure diagram(s) identify the specific study programme(s) for candidates entering with advanced standing. Section 4.5.12 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 regulations. No more than ⅔ 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.

Interim Awards

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

Certificate of Higher Education Agriculture

The outcomes required for this award are: A, B, C, D, E, F, G, H, I, J, R. Students will have obtained a minimum of 120 credits at Level 4 in accordance with the assessment regulations.

Diploma of Higher Education Agriculture

The outcomes required for this award are: A, B, C, D, E, F, G, H, I, J, K, L, R. The requirements for interim awards associated with final awards are students will have obtained a minimum of 240 credits (with a minimum of 120 credits at Level 5) in accordance with the assessment regulations.

BSc Agriculture

The outcomes required for this award are: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, S, T, U, and V. Students will have obtained a minimum of 300 credits (with a minimum of 80 credits at level 6). This will normally include a pass in the following modules core to the Ordinary Degree programme:

Academic Writing and Research
Agricultural Mechanisation
Environmental Management in Agriculture
Crop Production
Introduction to Agri-Business
Livestock Health
Continuous Professional Development
Research Skills – Agriculture
Applied Agri-Business
Precision Livestock Systems
Livestock Feeding (elective)
Livestock Production (elective)
Crop Production Management (elective)
Global Food Production and Supply Chain Efficiency
Rural Innovation, Enterprise and Entrepreneurship
Strategic Business Management
Recent Advances in Crop Production (elective)
Recent Advances in Livestock Production (elective)

Students are additionally encouraged to complete 150 hours of work placement which will be awarded a certificate of work placement completion, but not contribute to the award classification. Students will complete a logbook and evaluate the skills developed.

While not mandatory, such placements allow students to explore career paths, apply theoretical knowledge in practical settings, and develop professional skills such as communication, teamwork, and problem-solving. They also foster networking opportunities and can give students a competitive edge in the job market upon graduation.

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 20 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.

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: BSc/BSc (Hons) Agriculture

2025 Entry Cohort
UCAS Code: D4U8

Part 1		**Part 2**		**Part 3**	
Year 1 **All at Level 4 unless indicated**		**Year 2** **All at Level 5 unless indicated**		**Year 3** **All at Level 6 unless indicated**	
CORE Semester 1	**CORE** Semester 2	**CORE** Semester 1	**CORE** Semester 2	**CORE** Semester 1	**CORE** Semester 2
Academic Writing and Research ABC4200 (20 credits)		Continuous Professional Development ABG5114 (20 credits)		Research Project ABC6200 (20 credits)	
Agricultural Mechanisation ABG4201 (20 credits)		Research Skills - Agriculture ABC5104 (20 credits)		Global Food Production and Supply Chain Efficiency ABG6200 (20 credits)	Rural Innovation, Enterprise and Entrepreneurship ABG6203 (20 credits)
Environmental Management in Agriculture ABG4203 (20 credits	Introduction to Agri-Business ABG4204 (20 credits)	Applied Agri-Business ABG5113 (20 credits)	Precision Livestock Systems ABG5118 (20 credits)		Strategic Business Management ABG6204 (20 credits)
Crop Production ABG4202 (20 credits)	Livestock Health ABG4200 (20 credits)				
		Electives Choose Two Modules	**Electives** Choose Two Modules	**Electives** Choose One Module	
		Livestock Feeding ABG5116 (20 credits)	Livestock Production ABG5117 (20 credits)	Recent Advances in Crop Production ABG6201 (20 credits)	
		Crop Production Management ABG5115 (20 credits)		Recent Advances in Livestock Production ABG6202 (20 credits)	
		Agronomy ABG5112 (20 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 elective modules.

Validation Date: 4th May 2023
Date of Approval following Response to Validation Report: July 2023
Period of Approval: September 2023 – August 2029

Course Structure: BSc/BSc (Hons) Agriculture (part-time)

Part 1		Part 2		Part 3	
Year 1 **All at Level 4 unless indicated**		**Year 3** **All at Level 5 unless indicated**		**Year 5** **All at Level 6 unless indicated**	
CORE Semester 1	**CORE** Semester 2	**CORE** Semester 1	**CORE** Semester 2	**CORE** Semester 1	**CORE** Semester 2
Academic Writing and Research ABC4200 (20 credits)		Continuous Professional Development ABG5114 (20 credits)		Global Food Production and Supply Chain Efficiency ABG6200 (20 credits)	Rural Innovation, Enterprise and Entrepreneurship ABG6203 (20 credits)
Agricultural Mechanisation ABG4201 (20 credits)		Research Skills – Agriculture ABC5104 (20 credits)		Research Project ABC6200 (20 credits)	
	Introduction to Agri – Business ABG4204 (20 credits)		Precision Livestock Systems ABG5118 (20 credits)		
Year 2 **All at Level 4 unless indicated**		**Year 4** **All at Level 5 unless indicated**		**Year 6** **All at Level 6 unless indicated**	
CORE Semester 1	CORE Semester 2	CORE Semester 1	CORE Semester 2	CORE Semester 1	CORE Semester 2
Crop Production ABG4202 (20 credits)	Livestock Health ABG4200 (20 credits)	Applied Agri-Business ABG5113 (20 credits)		Research Project (continued) ABC6200 (20 credits)	
Environmental Management in Agriculture ABG4203 (20 credits)					Strategic Business Management ABG6204 (20 credits)
		Electives Choose Two Modules	**Electives** Choose Two Modules	**Electives** Choose One Module	
		Livestock Feeding ABG5116 (20 credits)	Livestock Production ABG5117 (20 credits)	Recent Advances in Crop Production ABG6201 (20 credits)	
		Crop Production Management ABG5115 (20 credits)		Recent Advances in Livestock Production ABG6202 (20 credits)	
		Agronomy ABG5112 (20 credits)			

Part-time students will normally study at least 60 credits (equivalent to 600 study hours) per year from a combination of core (compulsory) and elective modules.

Validation Date: 4th May 2023
Date of Approval following Response to Validation Report: July 2023
Period of Approval: September 2023 – August 2029

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 BSc/BSc (Hons) Agriculture.

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 modules 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. Students will be supported with their study via the college's Virtual Learning Environment (VLE), which will prepare them for the autonomy expected of HE students.

Transferable skills

The programme has been developed to enable students to plan and execute research and development work. It encourages independent learning, professional and personal development, and the ability to present skills, exams and behaviour appropriate to a management career. The programme includes activities to develop core skills of communication, numeracy, IT and personal development planning as well as modules designed to develop teamwork and independent learning, problem solving and research (Research Project). Practical work experience during directed study time is also recommended so that students can apply information and skills to real life situations. Industry placement periods (normally 150 hours across the three years) are encouraged to 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.

Typical assessment

Assessment is considered an important part of the learning process. Typically, modules are assessed by two pieces of assessment, although this may vary. Each assessment will provide summative feedback for the learning outcomes in the module. The exact details of the contribution of each assessment to the end overall mark 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 are not graded.

Group assessment includes group collection of both quantitative and qualitative data and information to facilitate decision-making. Practical assessment will include the design and setup of laboratory or field experiments, with analysis and presentation of collected data. Further assessment is facilitated by case studies and links with industry, including product evaluation.

ENTRANCE REQUIREMENTS

Applicants will normally have 5 GCSE's or above including English, maths and science at Grade 4/C or above. Achievements at Level 2 in appropriate Functional Skills will also be considered as an alternative for English and maths and Merit grades or above in Science based modules at Level 3 can be used as an alternative to GCSE Science.

Applicants are expected to achieve a minimum of 84 UCAS points.

Applicants will normally have studied a two year level 3 programme at A Level, to include Biology, or a vocational Level 3 Diploma. Normally applicants will be expected to show achievements in science modules at Merit grade or above in vocational programmes. This reflects the science-based nature of the programmes.

Applicants without appropriate achievements in Science may be asked to undertake an assessment of scientific knowledge.

Applications from those that have significant life or work experience after leaving compulsory education will normally have studied and achieved an Access to HE course or successfully completed a minimum of a one year level 3 courses and/or be able to demonstrate that they are working at an appropriate level in English, maths and science through an assessment process.

Curriculum Map for BSc/BSc (Hons) Agriculture (Level 4)

Award Outcomes	Core/Elective	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Introduction to Agri-Business	Core	X	X	X	X		X	X		X						X		
Environmental Management in Agriculture	Core	X	X	X	X	X	X	X		X	X		X	X				
Agricultural Mechanisation	Core	X	X	X	X	X							X	X				
Livestock Health	Core	X	X	X	X						X		X	X		X		
Crop Production	Core	X	X	X	X	X							X	X	X	X		
Academic Writing and Research	Core	X	X	X	X	X	X		X	X		X	X		X	X		

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
Q	Honours	Not applicable

Curriculum Map for BSc/BSc (Hons) Agriculture (Level 5)

Award Outcomes	Core/Elective	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
Applied Agri-Business	Core	X	X	X	X		X	X	X	X	X		X		X	X				X	X	
Research Skills – Agriculture	Core		X	X	X	X	X			X		X	X			X			X	X	X	X
Precision Livestock Systems	Core	X	X	X	X	X							X	X	X							
Continuous Professional Development	Core		X	X	X		X	X	X	X	X	X	X		X	X			X			X
Livestock Production	Elective	X	X	X	X	X	X	X		X	X	X	X	X								
Livestock Feeding	Elective	X	X	X		X				X	X	X	X	X	X	X			X	X	X	
Crop Production Management	Elective	X				X				X				X	X							
Agronomy	Elective	X				X								X	X							
10 Week Work Experience								X	X													X

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	Science	Analyse key scientific principles and apply knowledge to situations relating to the agricultural sector.
S	Engagement	Interact with stakeholders, evaluate their needs and communicate using a variety of method and technologies
T	Sector Awareness	Evaluate external factors and their potential influence on agriculture and the wider related sector.
U	Enterprise	Evaluate rural enterprise activity relating to agriculture and the wider sector.

Curriculum Map for BSc/BSc (Hons) Agriculture (Level 6)

Award Outcomes	Core/Elective	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Research Project	Core			X								X	X			X		X			
Rural Innovation, Enterprise and Entrepreneurship	Core	X	X					X	X	X				X	X	X			X	X	X
Strategic Business Management	Core	X	X	X	X	X	X	X	X	X	X	X	X	X						X	
Global Food Production and Supply Chain Efficiency	Core	X		X	X	X	X	X	X	X		X	X	X	X	X				X	X
Recent Advances in Crop Production	Elective		X	X			X	X			X	X	X	X	X				X		
Recent Advances in Livestock Production	Elective	X	X	X	X	X	X			X		X	X	X	X				X		

A	Knowledge	Demonstrate a detailed and specialised knowledge of a range of theories, ideas, terminology and contexts associated with the discipline, with a clear appreciation of the ways in which knowledge is developed and the provisional nature of knowledge.
B	Problem Solve	Select, devise and evaluate the use of appropriate strategies to solve complex, unpredictable, ambiguous and real-world problems.
C	Analysis	Analyse complex data using appropriately selected techniques; draw out robust findings in this process; and, thoroughly evaluate the effectiveness of the analytical strategy.
D	Synthesis	Select and combine ideas and/or data to generate meaningful and convincing composite evidence or arguments with a clear purpose.
E	Evaluation	Review complex and unpredictable information to address unpredictable, ambiguous or real-world problems, with a good awareness of the limitations of both the material under review and the analytical approach.
F	Digital Competence	Select, use and evaluate technologies to enable or enhance the performance of specific tasks, and appreciate the evolution of technology in their discipline.
G	Teamwork	Work effectively with others, with minimal or no supervision, to achieve positive outcomes; demonstrate leadership and management capabilities within a team situation; and critically assess their personal contribution to the team.
H	Career Dev	Recognise, pursue, record, and reflect on personal development to pursue personal career goals and appreciate the changing nature of the workplace and the need for personal resilience and **lifelong learning.**
I	Communications	Communicate effectively and professionally for a range of different purposes and through different modes, with consideration of audience needs as well as other contextual factors such as commercial sensitivity, impact maximisation and accessibility requirements.
J	Practical Comp	Perform practical operations in complex, unpredictable, real-world situations that require the selection of combined or novel practical skills and critically review personal effectiveness in practical tasks with reference to relevant professional standards.
K	Autonomy	Act independently and autonomously with minimum supervision in academic and practical tasks.
L	Research	Select and use research to inform the development of knowledge and understanding, and to inform decision-making.
M	Sustain Practice	Evaluate the sustainability of practices, processes or developments, with attention to different stakeholder perspectives, unintended consequences, economic and social dimensions, or environmental considerations.
N	Global	Compare and contrast international examples or case studies that are associated with the discipline and work with an active awareness of global factors or trends that have an impact on specific areas of study.
O	Ethics	Locate a range of ethical issues associated with their own research or professional behaviours, and demonstrate personal responsibility for ethical choices, including adherence to professional codes in complex ethical dilemmas.
P	Placement	Not applicable
Q	Honours	Effectively plan and undertake research and produce a dissertation (honours route only).
R	Science	Develop and apply key scientific knowledge to situations relating to the agriculture sector
S	Engagement	Interact with stakeholders, critically evaluate their needs and communicate using a variety of methods and technologies.
T	Sector Awareness	Critically evaluate external factors and their potential influence on agriculture and the wider related sector.