

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:	Extended FdSc (Level 5)
5	Interim Award(s) and Level(s):	Certificate of Higher Education Animal Studies (Level 4)
6	Award Title:	Animal Management
7	UCAS Code:	D304
8	JACS Code(s):	D300
9	QAA Benchmark Statement(s):	Characteristics Statement Foundation Degree (2015) Agriculture, Horticulture, Forestry, Food and Consumer Sciences (2016) Biosciences (2015) Business and Management (2015)
10	Language of Study:	English
11	Mode of Study:	Full-time Part-time
12	Date Approved or Revised:	Animal Management Validation Event – 10 th January 2017 (September 2017 – August 2023)

CONTEXT AND RATIONALE

It is expected that by 2020 the animal management industry will need a minimum of 90,000 new entrants (Lantra, 2012), Askham Bryan College aims to assist in facilitating this and using its large animal unit consisting of a wide range of animals covering all taxa. This has expanded in the spring of 2015 with the opening of a state of the art animal management building alongside a 24 acre wildlife and conservation park. The park will be open to the public during weekends and half terms to allow the students to work in amongst the public giving students experience in public speaking and customer care along with the practical animal husbandry skills. This significant investment in the animal management section will facilitate the learning and serve the curriculum well.

The Extended FdSc Animal Management will equip students with the knowledge and skills to enter a range of animal based industries. The course has traditionally recruited well at York and will now run alongside two industry specific pathways offering a less specialised route for those wanting a broader range of options.

The Animal Care sector encompasses a wide variety of roles with opportunities to move between different roles (Lantra 2012). The Lantra Skills Assessment Report for the industry (2009) indicates that: “the sector has undergone great change in recent years, which has led to an increasing demand for high skilled workers”. The Extended FdSc Animal Management will educate learners to the high standards required by the industry. Areas relating to health and welfare, legislation, economic factors affecting the sustainability of the industry and

environmental change were particularly highlighted in the report and all of these elements are embedded into the new Extended FdSc programme.

The College has developed a range of industry related resources to support the delivery of this Extended FdSc programme by a team of well-qualified staff. This programme offers students the opportunity to develop skills and enhance knowledge across a range of animal based industries including collections management, companion animal and wildlife conservation. Many students may progress to honours level and higher study either at the college or elsewhere.

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 Animal Management award aims to provide the following:

1. To develop each student's ability to apply detailed scientific knowledge to the management of domestic, captive and wild animals.
2. To equip students with a thorough understanding of business concepts and stakeholder requirements relating to management of animals in domestic, captive and wild environments.
3. To develop in students the ability to identify, analyse and solve a range of commonly encountered problems when managing animals and, where appropriate, indicate solutions that apply to industrial practice.
4. To develop students' practical skills in animal management and the ability to apply them to situations associated with domestic, captive and wild animal management.
5. To develop the students' ability to identify and evaluate external factors and their influence on the development of the animal management sector.

GENERIC OUTCOMES

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

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

AWARD-SPECIFIC OUTCOMES

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

Level 3

R	Apply knowledge of theories and concepts in animal behaviour, husbandry and health.
S	Exhibit knowledge of biological processes in living organisms.
T	Demonstrate a broad understanding of scientific concepts, knowledge and practical techniques which are standard features in a range of aspects of animal management.

Level 4

R	Explain a range of underlying biological principles relating to the husbandry, behaviour and health of animals.
S	Apply practical skills to the management of domestic, captive and wild animals.
T	Demonstrate ability to interact with stakeholders, assess their needs and communicate using a variety of methods and technologies.
U	Evaluate the impact of society, science and the environment on the management of animal species.

Level 5

R	Identify and analyse potential ethical and welfare issues relating to domestic, captive and wild animals and make recommendations for improvements
S	Apply business principles to animal management enterprises.
T	Identify, analyse and solve a range of commonly encountered problems when managing animals and where appropriate indicate solutions that apply to industrial practice.
U	Evaluate external factors and their potential influence on the animal management industry.

RELATIONSHIP WITH EXTERNAL REFERENCE POINT(S)

- Characteristics Statement Foundation Degree (2015) Agriculture, Horticulture, Forestry, Food and Consumer Sciences (2016)
- Biosciences (2015)
- General Business and Management (2015)

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.

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. Students intending to top-up to a BSc/BSc (Hons) programme should discuss their elective choice with their Course Manager.

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 Hons/Ord Animal Management (Top-up) programme following successful completion of the Extended Foundation Degree Animal Management. For admission to the BSc (Hons) top-up programme, students would normally be expected to have successfully completed their Extended 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 Extended FdSc programme and have a reference from their Course Manager in support of their suitability for top up study.

Module Compensation Exclusions

The following modules are not eligible for compensation within the Extended Foundation Degree Animal Management programme:

Part 0 modules: All modules are eligible for compensation.

Part 1 modules: All modules other than Industry Skills are eligible for compensation.

Part 2 modules: All modules other than Professional Development, Academic Development and Personal Research Project are eligible for compensation.

Transfer

For transfer between courses, matching awards facilitate transfer at the end of the preparatory year (Part 0). 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:

None

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:

To qualify for the interim award of **Certificate of Higher Education Animal Studies**, students are required to achieve the following outcomes:

Level 4 - Generic 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
Q	Honours	Not applicable

Level 4 – Award Specific Outcomes

R	Explain a range of underlying biological principles relating to the husbandry, behaviour and health of animals.
S	Apply practical skills to the management of domestic, captive and wild animals.
T	Demonstrate ability to interact with stakeholders, assess their needs and communicate using a variety of methods and technologies.
U	Evaluate the impact of society, science and the environment on the management of animal species.

Students will have obtained a minimum of 120 credits at level 4, in accordance with the assessment regulations.

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**, **elective 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 elective 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 Animal Management

Part 0 - Level 3		Part 1 - Level 4		Part 2 - Level 5	
Year 0		Year 1		Year 2	
Semester 1 Core	Semester 2 Core	Semester 1 Core	Semester 2 Core	Semester 1 Core	Semester 2 Core
Work Based Learning (ABC3105) 15 Credits		Academic Skills (ABC4100) 15 Credits		Personal Research Project (Module Code TBC) 15 Credits	
ICT (ABC3100) 15 Credits					
Introduction to Laboratory Skills (ABC3103) 15 Credits	Independent Project (ABC3101) 15 Credits	Industry Skills (ABC4101) 15 Credits		Academic Development (Module Code TBC) 15 Credits	
Introduction to Animal Health (ABA3103) 15 Credits	Introduction to Biological Science (ABC3102) 15 Credits	Anatomy and Physiology (ABA4102) 15 Credits		Professional Development (Module Code TBC) 15 Credits	
Preparatory Academic Skills (ABC3014) 15 Credits		Introduction to Business (ABC4102) 15 Credits		Breeding and Inheritance (Module Code TBC) 15 Credits	Welfare Legislation and Ethics (Module Code TBC) 15 Credits
		Practical Animal Husbandry (ABA4115) 15 Credits			
Semester 1 Electives	Semester 2 Electives	Semester 3 Electives	Semester 4 Electives	Semester 5 Electives	Semester 6 Electives
	Behaviour and Conservation (ABA3100) 15 Credits	Canine and Feline Behaviour (*) [B] (ABA4104) 15 Credits	Animal Health (*) (ABA4101) 15 Credits	Animal Nutrition (***) (Module Code TBC) 15 Credits	Business Enterprise (**) (***) [B] (Module Code TBC) 15 Credits
	Husbandry of Captive Animals (ABA3102) 15 Credits	Captive Behaviour Management [B] (ABA4106) 15 Credits	Field Research Skills (ABA4109) 15 Credits	Training and Learning Theory (***) (Module Code TBC) 15 Credits	Collections Management (**) [B] (Module Code TBC) 15 Credits
	Canine and Feline Husbandry and Grooming (ABA3101) 15 Credits	Environmental Interpretation (ABA4108) 15 Credits	Ecology and Conservation (ABA4107) 15 Credits	Collections Animal Training (Module Code TBC) 15 Credits	Incubation and Rearing (Module Code TBC) 15 Credits
			Aquatics Husbandry and Management (*) (ABA4103) 15 Credits		Biodiversity and Restoration Ecology (Module Code TBC) 15 Credits
			Fundamentals of Evolutionary Ecology and Classification (ABA4110) 15 Credits		Applied Animal Training (***) [C1] (Module Code TBC) 15 Credits
			Human and Companion Animal Interactions (*) (ABA4111) 15 Credits		Collections Husbandry (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 elective modules. Students intending to top-up to a BSc/BSc Honours programme should discuss their elective choices with their Course Manager. Other electives may be available by negotiation with the Course Manager within the constraints of the timetable and credit framework, including a language.

Key: The code on the left denotes the module identifier; the number on the right denotes the credit value.

(*) – 15 credits must be studied from this selection with the remaining 30 credits from any level 4 elective.

(**) – One of these modules must be selected (banned combination).

(***) – 30 credits must be studied from this selection with the remaining 15 credits from any level 5 elective.

[B] – Banned combination.

[C] – Co-requisites – Training and Learning Theory can be taken in isolation, Applied Animal Training must be taken with Training and Learning Theory.

Validation Date: 10th 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 Animal Management programme.

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 Animal Management 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 the Extended FdSc Animal Management, students must have achieved passes (Grade C or above) in a minimum of five GCSE subjects including English and Mathematics. In addition applicants must demonstrate completion of at least one year level 3 study and/or significant relevant experience in the animal industries.

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 Animal Management

Award Outcomes	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
Level 3																					
Independent Project		X	X									X			X✓						
Introduction to Biological Science	X			X	X														X		
Introduction to Laboratory Skills			X							X	X										
Preparatory Academic Skills				X		X			X		X										
ICT				X		X				X											
Work Based Learning							X	X			X		X								
Introduction to Animal Health	X	X			X				X			X						X	X	X	
Behaviour and Conservation									X			X						X		X	
Husbandry of Captive Animals	X																	X		X	
Canine and Feline Husbandry and grooming	X							X		X								X		X	
Level 4																					
Academic Skills					X	X		X	X		X	X									
Industry Skills		X	X				X	X		X	X		X	X					X	X	X
Introduction to Business		X		X		X	X				X				X	X					
Anatomy and Physiology	X									X								X			
Practical Animal Husbandry	X				X		X	X	X	X		X	X		X			X	X		
Animal Behaviour	X			X						X	X				X			X			X
Human and Animal Interactions	X		X	X					X		X	X			X						X
Animal Health	X	X		X	X										X	X		X			X
Aquatics Husbandry & Management	X	X	X	X	X					X					X	X		X			X
Canine and Feline Behaviour	X		X	X	X				X	X		X						X			X
Fundamentals of Evolutionary Ecology and Classification	X	X	X									X									
Environmental Interpretation	X	X	X	X	X	X			X				X	X						X	
Field Research Skills	X	X	X						X	X		X		X	X				X		X
Ecology and Conservation	X		X		X					X		X	X	X	X				X		X
Captive Behaviour Management	X		X	X						X	X				X	X		X			X
Level 5																					
Personal Research Project			X	X	X						X	X								X	
Academic Development		X	X			X			X	X											
Professional Development							X	X	X	X			X					X			
Breeding and Inheritance	X	X	X	X	X										X	X		X			X
Welfare, Legislation & Ethics	X			X	X							X			X	X		X			X
Business Enterprise							X		X			X	X	X				X			X
Collections Management						X	X		X				X					X		X	X
Animal Nutrition	X			X								X						X			
Training and Learning Theory	X				X			X		X	X										
Applied Animal Training	X	X	X							X		X			X					X	
Collections Training	X	X								X	X										
Incubation and Rearing	X				X							X						X			
Collections Husbandry	X								X	X								X		X	
Biodiversity and Restoration Ecology	X				X							X	X	X	X					X	X

Level 3

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	Sustainable 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	Animal Husbandry	Apply knowledge of theories and concepts in animal behaviour, husbandry and health.
S	Biological Science	Exhibit knowledge of biological processes in living organism
T	Animal Management	Demonstrate a broad understanding of scientific concepts, knowledge and practical techniques which are standard features in a range of aspects of animal management.

A-Q = generic outcomes

R-S = award-specific outcomes

Level 4

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
R	Biological Principles	Explain a range of underlying biological principles relating to the husbandry, behaviour and health of animals.
S	Practical Application	Apply practical skills to the management of domestic, captive and wild animals.
T	Industry Interactions	Demonstrate ability to interact with stakeholders, assess their needs and communicate using a variety of methods and technologies.
U	Animal Management	Evaluate the impact of society, science and the environment on the management of animal species.

A-Q = generic outcomes

R-U = award-specific outcomes

Level 5

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	Ethics and Welfare	Identify and analyse potential ethical and welfare issues relating to domestic, captive and wild animals and make recommendations for improvements
S	Business	Apply business principles to animal management enterprises.
T	Animal Management	Identify, analyse and solve a range of commonly encountered problems when managing animals and where appropriate indicate solutions that apply to industrial practice.
U	Industry Influences	Evaluate external factors and their potential influence on the animal management industry.

A-Q = generic outcomes

R-U = award-specific outcomes

