University of the West of England
BRISTOL

PROGRAMME SPECIFICATION

Part 1: Basic Data			
Awarding Institution	University of the West of England		
Teaching Institution	Hartpury College		
Delivery Location	Hartpury College		
Faculty Responsible for Programme	Hartpury College		
Department Responsible for Programme	Animal and Land Science		
Modular Scheme Title	Undergraduate Modular Scheme, Hartpury College		
Professional Statutory or Regulatory Body Links	None		
Highest Award Title	FdSc Animal Behaviour & Welfare		
Default Award Title	None		
Fall-back Award Title	None		
Interim Award Titles	CertHE Animal Behaviour & Welfare Certificate in Animal Science		
UWE Progression Route	BSc (Hons) Animal Behaviour & Welfare BSc (Hons) Animal Management (Top Up)		
Mode(s) of Delivery	Full time/part time		
Codes	**UCAS:** BUWE B80 D328A	**JACS:** D300	
	ISIS2: D328	**HESA:**	
Relevant QAA Subject Benchmark Statements	Agriculture, forestry, agricultural sciences, food sciences and consumer sciences		
First CAP Approval Date	29 May 2014	**Valid From**	01 September 2013 (2016 intake)
Revision CAC Approval Date	V7.1- 07 July 2016 V7.3- 28 March 2017	**Revised with effect from**	01 September 2016 V7.3- 01 September 2017
Review Date	01 September 2020		
Version	7.3		

Part 2: Educational Aims of the Programme

The Foundation Degree in Animal Behaviour & Welfare aims to equip students with knowledge, practical ability and intellectual skills to enable them to develop new ideas and to analyse current processes and practices in animal behaviour and welfare sciences. They should develop a range of key skills to enable them to quantify the behaviour expressed by animals and to use this to assess welfare. The programme will prepare the learner with a foundation for lifelong learning and enable them to:

1 Obtain knowledge and critical understanding of the well-established principles of animal behaviour and animal welfare sciences;
2 Apply practical skills to the animal behaviour/welfare industries;
3 Think constructively, discuss concepts and theories, and propose sound and reasoned solutions to problems that are encountered in the management of animals;
4 Meet the needs of the industry providing the foundation for a range of careers;
5 Transfer skills to enable students to work at different levels within the animal related industries;
6 Make full use of vocational opportunities within the animal industry and use the workplace to improve animal related competencies;
7 Effectively communicate information and developments in a variety of forms appropriate to an academic and industry environment;
8 Access a coherent and relevant programme of study that enhances their ability to work within animal behaviour and animal welfare related industries, or progress onto further study to BSc (Hons) level.

Programme requirements for the purposes of the Higher Education Achievement Record (HEAR)

This qualification prepares students for employment through a work placement in an approved role, giving extensive opportunity to engage with employers and to apply knowledge gained in the lecture theatre. These hours in the work place will be used to developed and demonstrate core competencies which are integral to the animal industry. Extensive self-reflection will form part of the learning process to ensure students are able to identify strengths and address weaknesses. Placements will be sought in local and national animal welfare charities, zoos, wildlife parks and similar in order to provide a clear opportunity to work closely with species of choice.

Through the broad range of teaching methods employed students will demonstrate confidence in their understanding and application of knowledge of scientific principles. Transferable skills will form an integral part of all assessment so students will demonstrate communication, IT, team work and presentation skills.

Part 3: 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:	**Animal Behaviour**	**Animal Practice**	**Principles of Animal Biology**	**Systems Biology**	**Biodiversity**	**Introduction to Animal Welfare**	**Animal Health & Disease**	**Animal Industry**	**Animal Welfare Assessment**	Undergraduate Research Process	Behavioural Measurement	Management of Domestic Animals	Behavioural & Evolutionary Ecology	**Ethics & Welfare**	Companion Animal Behaviour & Training	New Venture Creation	Field Course	Independent Report
A) Knowledge and understanding of:																		
1 An understanding and awareness of the problems and/or new insights into animal behaviour and animal welfare sciences.	✓	✓			✓	✓	✓	✓	✓		✓		✓	✓	✓			
2 The skills and ability to collect and manage biological data, including behavioural data and parameters of animal welfare assessment.	✓		✓		✓	✓				✓	✓						✓	✓
3 An understanding of the ethical issues in relation to captive animal management and welfare.	✓	✓				✓	✓	✓	✓			✓		✓	✓			

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4	An understanding of government policy and legislation relating to animal welfare.		✓			✓	✓		✓	✓					✓				
5	The ability to apply the knowledge gained during the programme, together with an understanding of how established techniques of enquiry are used to create and interpret knowledge in applied science.	✓	✓	✓	✓	✓	✓	✓			✓	✓						✓	✓
6	An understanding of basic business principles and a sound knowledge of employer expectations, in the context of good working practices, needed by the individual in the work place.		✓						✓				✓				✓		
7	An understanding of biological principles that affect animal behaviour at all levels, from cellular to ecosystem functioning.			✓	✓	✓							✓	✓					
(B) Intellectual Skills																			
1	Use problem-solving skills and decision-making strategies to support investigations in the context of animal welfare assessment.				✓		✓			✓			✓		✓				
2	Identify, analyse and discuss key themes/problems in written and oral communication.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Use skills of reflective thinking to support effective methods of animal behaviour and welfare measurement.	✓					✓		✓	✓		✓							
4	Demonstrate the ability to apply informed decision-making in the management of captive animals.		✓				✓	✓	✓	✓			✓						
5	Demonstrate the ability to undertake sustained study applying deeper cognitive learning to an aspect of animal behaviour and/or animal welfare.	✓					✓				✓	✓						✓	✓
6	Discuss an aspect of animal behaviour or animal welfare science based on knowledge gained in the programme, which highlights both implications and recommendations for developing current and future animal behaviour and animal welfare practices.	✓					✓			✓						✓			✓
(C) Subject/Professional/Practical Skills																			
1	Undertake skilled and competent animal behaviour measurement and animal welfare assessments	✓			✓		✓			✓		✓							
2	Describe, organise and interpret numerical data and conceptual written information	✓			✓	✓					✓	✓						✓	✓
3	Communicate effectively with individuals, establishing professional relationships within the animal management community		✓						✓										
4	Maintain the standards and practices required of the UK Animal industry, through vocational experience and its required practical competencies		✓		✓	✓			✓				✓						
5	Recognise moral/ethical dilemmas and issues.		✓			✓	✓	✓		✓		✓			✓				
6	Demonstrate a commitment to continuing professional development and lifelong learning through the development of skills in relation to self-directed and independent study.		✓						✓										✓

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(D) Transferable skills and other attributes																			
1	Communicate effectively with a wide range of individuals and groups using a variety of means.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Reflect on their own academic, vocational and professional performance.	✓	✓	✓	✓	✓	✓	✓	✓										
3	Utilise problem-solving skills in a variety of theoretical and practical situations.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	Manage change effectively and respond to changing demands.		✓						✓										
5	Take responsibility for personal and professional learning and development.		✓						✓								✓		
6	Manage time, prioritise workloads and recognise and manage personal emotions and stress.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	Understand career opportunities and challenges ahead and begin to plan a career path.		✓						✓										
8	Use information management skills, for example: information technology; library resources; the use of information technology in the workplace.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Part 4: Student Learning and Student Support

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

At UWE, Bristol there is a policy for a minimum average requirement of 12 hours/week contact time over the course of 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 FdSc Animal Behaviour and Welfare programme there is a mixture of teaching approaches including:

Scheduled Learning

May include lectures, seminars, tutorials, project supervision, demonstration, practical classes and workshops; fieldwork; external visits; work based learning. Scheduled sessions may vary slightly depending on the module choices made.

Independent Learning

May include hours engaged with essential reading, case study preparation, assignment preparation and completion etc. Scheduled sessions may vary slightly depending on the module choices made.

Placement Learning

This programme includes an essential work placement component.

Virtual Learning Environment (VLE) or equivalent

This specification is supported by a VLE where students will be able to find all necessary module information. Direct links to information sources will also be provided from within the VLE.

Careers
To support learner's career preparations, careers personnel visit Hartpury on a regular basis and the students can use all the on line resources. Tutors will also offer subject specific careers advice through module sessions or individual tutorials. Careers Fairs are arranged periodically to allow students to engage directly with employers from the industry sector.

Description of any Distinctive Features

The purpose of the programme is to provide a balance of vocational and academic study that is intellectually challenging, vocationally relevant, and provides a basis for pursuing a career in animal behaviour/welfare.

The programme has been designed to build on the competencies of a wide spectrum of students who should be capable of taking up appropriate positions of responsibility within a variety of vocational opportunities to be found operating in the sector. There has been substantial employer input in the design of the programme through vocational panels representing employers from the local area, thus identifying employer's needs and current skills gaps in animal behaviour.

In the Foundation degree programme academic knowledge and understanding reinforces the development of vocational skills to equip the student with the skills and knowledge relevant to the needs of employer. The flexibility of the Foundation degree allows those already in work to re-engage in higher education whilst making full use of, and awarding credit for, prior experiential learning within the working environment. The Foundation degree also provides a pathway for lifelong learning and the opportunity to progress to Honours degree programmes.

Students undertaking Foundation degrees at Hartpury College study alongside Honours degree students for many of their modules. The majority of lectures and practical work are shared, and students benefit from the differing strengths and experiences of each student cohort. The shared teaching experience makes for a smooth progression from Foundation degree to Honours degree, where appropriate. Separate seminar work, assessment and tutorials maintains distinction between the two programmes.

Learners undertake two work based modules which contribute to the overall ethos of work related learning that forms the basis of the Foundation degree. Level 1 students undertake the 'Animal Practice' module, which prepares the learner for work and incorporates work placement in a relevant industry, which underpins the knowledge and practical capabilities gained throughout Year 1. Knowledge and understanding from this work based learning is then used and developed in the Year 2 'Animal Industry' module, which helps the student to identify how businesses are run and prepares the student for future careers through engaging with further work placement. As part of this module students compile a portfolio that reflects the work placement providers' organisation or business (how it was run, how decisions were made, etc) which is assessed.

Learners are supported throughout the programme through online web-based support such as the VLE and Digital collection, and individual tutorial sessions with a designated tutor.

Through complementary studies, students are able to acquire additional professional qualifications such as first aid, health and safety, risk assessment, safe use of pesticides, all-terrain vehicle training, and chainsaw operation.

Part 5: Assessment

Approved variant to University Academic Regulations and Procedures

Assessment Strategy

There is an element of formative assessment in each of the compulsory and optional modules. Testing of the knowledge base is through written examinations, assessed coursework, oral presentations, portfolio development and through practical tasks undertaken in controlled conditions. Due to the applied nature of the programme a significant proportion of the modules will include practical assessments, however at least 50% of the assessment will be carried out under controlled conditions. Work-based learning will be assessed through logs of hours, assessment of competencies and self-reflection of student achievement and progress.

In line with the College's 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.

Assessment Map

The programme encompasses a range of **assessment methods** including; written examinations, practical examinations, oral assessment/presentations, written assignments, report/project, dissertation and portfolios. These are detailed in the following assessment map:

Assessment Map for FdSc Animal Behaviour and Welfare

		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 1	Animal Behaviour	A (26.64)		A (13.36)				B (30)	B(30)		
	Animal Practice						B (100)				A (P/F)
	Introduction to Animal Welfare	A (50)						B (50)			
	Principles of Animal Biology	A (50)							B (50)		
	Systems Biology				A (50)				B (50)		
	Biodiversity	A (50)							B (50)		
	Animal Health & Disease	A (70)							B (30)		
Compulsory Modules Level 2	Animal Industry						B (100)				A (P/F)
	Animal Welfare Assessment	A (40)							B (60)		
	Ethics & Welfare	A (50)					B (50)				
Optional Modules Level 2	Companion Animal Behaviour & Training	A (40)						B (60)			
	Behavioural Measurement	A (100)									
	New Venture Creation						A (100)				
	Management of Domestic Animals					A (30)		B (70)			
	Behavioural & Evolutionary Ecology	A (30)							B (70)		
	Undergraduate Research Process								A (100)		
	Field Course						A (25)		B (75)		
	Independent Report		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 6: Programme Structure

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

Note: As discussed with a personal tutor, Principles of Animal Biology is a requirement if a student does not hold A-level Biology grade E or above, or equivalent.

ENTRY		Compulsory Modules	Optional Modules	Interim Awards
	Year 1	Animal Behaviour (UINXNS-30-1) Animal Practice (UINVX3-30-1) Introduction to Animal Welfare (UINXK9-15-1) Biodiversity (UINXK6-15-1) Animal Health & Disease (UINXKK-15-1)	Principles of Animal Biology (UINXK8-15-0) OR Systems Biology (UINXK4-15-1)	Certificate in Animal Science Requirements: 60 credits at level 0 or above of which not less than 50 are at level 1 or above. CertHE Animal Behaviour & Welfare Requirements: 120 credits at level 0 or above of which not less than 100 are at level 1 or above. TARGET AWARD FdSc Animal Behaviour & Welfare Credit Requirements: 240 credits at level 0 or above of which not less than 220 are at level 1 or above, and not less than 100 are at level 2 or above.
	Year 2	Animal Industry (UINVLS-30-2) Animal Welfare Assessment (UINXSM-15-2) Ethics & Welfare (UINXSW-15-2)	Students are normally required to select 60 credits from the optional modules listed below: Behavioural Measurement (UINXSS-15-2) Management of Domestic Animals (UINXT8-30-2) Behavioural & Evolutionary Ecology (UINXSR-30-2) Companion Animal Behaviour & Training (UINXST-15-2) New Venture Creation (UISXTX-15-2) Field Course (UINXSY-15-2) Independent Report (UINXRX-15-2) Undergraduate Research Process (UINXU5-15-2)	
GRADUATION				

Part time:

The following structure diagram demonstrates the student journey from Entry through to Graduation for a typical **part time student.** This is an example only; the route would be considered with the student in order to support module choices.

ENTRY		Compulsory Modules	Optional Modules	Interim Awards
↓	Year 1.1	Animal Behaviour (UINXNS-30-1) Animal Practice (UINVX3-30-1) Principles of Animal Biology (UINXK8-15-0)		Certificate in Animal Science Requirements: 60 credits at level 0 or above of which not less than 50 are at level 1 or above. CertHE Animal Behaviour & Welfare Requirements: 120 credits at level 0 or above of which not less than 100 are at level 1 or above. TARGET AWARD FdSc Animal Behaviour & Welfare Credit Requirements: 240 credits at level 0 or above of which not less than 220 are at level 1 or above, and not less than 100 are at level 2 or above.
	Year 1.2	Introduction to Animal Welfare (UINXK9-15-1) Systems Biology (UINXK4-15-1) Biodiversity (UINXK6-15-1) Animal Health & Disease (UINXKK-15-1)		
	Year 2	Animal Industry (UINVLS-30-2) Ethics & Welfare (UINXSW-15-2)	Behavioural Measurement (UINXSS-15-2) Management of Domestic Animals (UINXT8-30-2) New Venture Creation (UISXTX-15-2) Field Course (UINXSY-15-2)	
		Animal Welfare Assessment (UINXSM-15-2)	Behavioural & Evolutionary Ecology (UINXSR-30-2) Companion Animal Behaviour & Training (UINXST-15-2) Independent Report (UINXRX-15-2) Undergraduate Research Process (UINXU5-15-2)	
GRADUATION				

Part 7: Entry Requirements

The University's Standard Entry Requirements apply with the following additions/exceptions*

Applicants must provide evidence which demonstrates to the University's satisfaction that they can benefit from study at foundation degree level and are likely to achieve the required standard. Applicants will have achieved five subjects including English, Mathematics and Science at GCSE level Grade A-C or equivalent and current UCAS Tariff Points or (including a biological science) or equivalent. Applicants will have achieved tariff points as appropriate for the year of entry, which for the academic year 2013/14 was 160 tariff points.

We also welcome applicants from a diverse range of backgrounds who do not have the entry requirements outlined above. The University will consider applicants on the basis of evidence of personal, professional and educational experience which indicates an applicant's ability to meet the demands of an undergraduate degree programme. Applicants with non-standard entry criteria will be reviewed on an individual basis. This will take the form of an individual interview with members of the programme team and possibly the completion of a set task such as a written assignment. Where appropriate experience or learning has been gained prior to enrolment on the programme AL/AEL 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:

All of the reference points and benchmarks below have been consulted or considered during the design of the programme aims, learning objectives and assessment strategies to ensure parity across the sector and the quality of the student's learning experience.

1 QAA UK Quality Code for HE
2 University strategies and policies
3 Staff research projects
4 Employer interaction and feedback

QAA UK Quality Code for HE:
This has been used to define the minimum level of achievement that students need to attain to succeed on this programme and achieve the qualification. This 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 within the programme.

Relevant subject benchmark statements (Agriculture, horticulture, forestry, food and consumer sciences (2009))
These 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.

University Strategies and Policies
The Academic Regulations and Procedures 2012-13 has been used to ensure that the quality of learning, teaching and assessment on this programme adheres to the university's frame work of academic regulations, procedures and working practices that enable the assurance of academic standards. The university's Policy on Word Count has also been used to inform the assessment strategy detailed in this document (part 5) and this is stated on the module descriptors.

Staff research projects
The proposed modules for the Animal Behaviour and Welfare programme are based on well-established teaching areas within the Associate Faculty. These modules will be taught by staff who are either research active or actively engaged in scholarly activity, and who bring their current experience to bear on their teaching.

Employer interaction/feedback
Field of Animal and Land Sciences Vocational Panel meetings provide a forum for discussion about the purpose of the programme, features that make the programme distinctive and the skills and knowledge that the programme needs to provide to ensure that it is current and relevant to the needs of the industry.

What methods have been used in the development of this programme to evaluate and improve the quality and standards of learning? This could include consideration of stakeholder feedback from, for example current students, graduates and employers.

During a vocational panel, current stakeholders including graduates, work placement providers and employers from the subject area were consulted regarding the content of this programme. Modules were thought to be appropriate and forms of assessment sufficient to challenge students and measure their learning and engagement.

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 University's website.