

## Programme Specification

<b>Part 1: Basic Data</b>			
<b>Primary Programme Title</b>	BSc (Hons) Zoology		
<b>Target Award Titles</b>	<b>Mode and Typical Duration of Study</b>	<b>Professional Accrediting Body Links</b>	<b>Study Abroad / Exchange / Credit Recognition</b>
BSc (Hons) Zoology	Stage 0 Entry: Full time, 4 years, Part time, 8 years Stage 1 Entry: Full time, 3 years Part time, 6 years	<b>None</b>	<b>None</b>
BSc (Hons) Zoology with integrated placement year	Stage 0 Entry: Full time, 5 years, Part time, 9 years Stage 1 Entry: Full time, 4 years Part time, 7 years	<b>None</b>	<b>None</b>
<b>Interim Award Titles</b>	BSc Zoology BSc Zoology with integrated placement year BSc Animal Studies BSc Animal Studies with integrated placement year Diploma of Higher Education in Zoology Certificate of Higher Education in Animal Studies Undergraduate Certificate in Animal Studies Certificate in Academic Skills Higher Education Foundation Certificate in Academic Skills		
<b>Teaching Delivery Method</b>	On-site		
<b>Awarding Institution</b>	Hartpury University		
<b>Teaching Institution</b>	Hartpury University		
<b>Delivery Location</b>	Hartpury		
<b>Department Responsible for Programme</b>	Animal and Agriculture		
<b>Unit-E Code</b>	<b>BSHAZOOX</b>		
<b>Entry Criteria Information</b>	Applicants will have achieved entry criteria appropriate for the stage of entry, which can be found through the Hartpury website ( <a href="http://www.hartpury.ac.uk">www.hartpury.ac.uk</a> )		
<b>Most Recent Validation Date</b>	21 March 2022	<b>Due for Re-validation By</b>	01 September 2027
<b>Amendment Approval Date</b>	V11.0 – 19 Jan 2023 V11.1 – 17 Mar 2023 V11.2 – 04 Sept 2023 V11.3 – 19 Sept 2023 V12.0 – 10 Jan 2024	<b>Approved With Effect From</b>	V11.3 – 01 September 2023 V12.0 – 01 September 2024
<b>Professional Accrediting Body Approval Date</b>	N/A	<b>Date for Re-accreditation</b>	N/A
<b>Version</b>	12.0		

## Part 2: Programme Overview

BSc (Hons) Zoology graduates understand the global complexity of the changing natural world and can work across the wildlife conservation, zoo and animal industries. They have confidence in working with animals, and in their abilities to collect and analyse samples in the field and laboratory, including mapping the resulting data. Graduates have comprehensive knowledge of zoology and wildlife conservation (both in captivity and in the wild), including animal nutrition, welfare, and ecological and genetic principles. They can apply their knowledge of the scientific study of animals to assist with the practical application of theory to inform decision-making and problem-solving around the management of wild animals. Graduates have a keen understanding of sustainability, allowing them to engage in debate and problem-solving to address current societal issues. They will have engaged with guest speakers, study trips and practical opportunities to support a well-rounded understanding of zoology.

BSc (Hons) Zoology with integrated placement year graduates understand the global complexity of the changing natural world and can work across the wildlife conservation, zoo and animal industries. They have confidence in working with animals, and in their abilities to collect and analyse samples in the field and laboratory, including mapping the resulting data. Graduates have comprehensive knowledge of zoology and wildlife conservation (both in captivity and in the wild), including animal nutrition, welfare, and ecological and genetic principles. They can apply their knowledge of the scientific study of animals to assist with the practical application of theory to inform decision-making and problem-solving around the management of wild animals. Graduates have a keen understanding of sustainability, allowing them to engage in debate and problem-solving to address current societal issues. They will have engaged with guest speakers, study trips and practical opportunities to support a well-rounded understanding of zoology, and will have put this into practice during their year in industry.

### Part 3: Programme Structure

This structure diagram demonstrates the student journey from enrolment through to graduation for a typical **full-time student on the primary programme**, including:

- level and credit requirements
- award requirements that are in addition to those described in the Hartpury University Academic Regulations
- module diet, including core and optional modules.

Please note:

\* PAB – these modules are subject to additional and variant regulations as part of an accreditation by a professional accrediting body

+ core modules marked + are not eligible for compensation

	Core Modules	Optional Modules	Target and Interim Awards
<b>Stage 0</b>	HANVRD-30-3 Professional Development in Practice OR HANV8B-30-3 Academic Skills in Practice <i>pre-2024 only</i>  HANVFP-30-3 Animal Studies  HANVQK-30-3 Biological Principles for Land-Based Scientists OR HANV8E-30-3 Foundation Biological Principles <i>pre-2024 only</i>  HANVQX-15-3 Academic Literacy for University Studies OR HANVG4-15-3 Foundation Skills Development <i>pre-2024 only</i>  HANVRR-15-3 Exploring Current Concepts OR HANV8C-15-3 Reviewing Literature <i>pre-2024 only</i>	None	<u>Higher Education Foundation Certificate in Academic Skills</u>  <u>Certificate in Academic Skills</u>
	To progress to stage 1 you must achieve at least 90 credits.		

<b>Stage 1</b>	<p>HANVMF-30-4 Comparative Animal Physiology</p> <p>HANVP4-30-4 Genetics, Evolution and Biodiversity OR HANXNV-15-4 Animal Genetics <i>pre-2023 only</i> AND HANXK6-15-4 Biodiversity <i>pre-2023 only</i></p> <p>HANVQJ-15-4 Management of Animal Health OR HANXKK-15-4 Animal Health and Disease <i>pre-2024 only</i></p> <p>HANV83-15-4 Principles of Animal Welfare and Behaviour OR HANV83-15-4 Animal Behaviour and Welfare <i>pre-2023 only</i></p> <p>HANVN3-15-4 + Principles of Ecology AND HANVMJ-15-4 Professional and Academic Skills in Animal Biology OR HANV9E-30-4 Fundamental Skills for Zoology <i>pre-2023 only</i></p>	None	<p><u>Undergraduate Certificate in Animal Studies</u></p> <p><u>Certificate of Higher Education in Animal Studies</u></p>
To progress to stage 2 you must achieve at least 90 credits.			
<b>Stage 2</b>	<p>HANXSR-30-5 Behavioural Ecology</p> <p>HANV9D-30-5 + Conservation Biology</p> <p>HANXSY-15-5 Field Course</p> <p>HANXSS-15-5 Measuring Animal Behaviour</p> <p>HANVKV-15-5 Research Methods for Agricultural and Animal Scientists</p>	<p>HANV8L-15-5 Animals in Education</p> <p>OR</p> <p>HANVPW-15-5 Human Behaviour Change for Animals</p> <p>OR</p> <p>HANVMV-15-5 Professional Experience in the Animal Sector 1</p>	<p><u>Diploma of Higher Education in Zoology</u></p>

		<p>HANXRK-15-5 Animal Microbiology <i>pre-2024 only</i></p> <p>HANXSN-30-5 Applied Animal Health and Disease <i>pre-2024 only</i></p> <p>HANXSY-15-5 Field Course <i>pre-2024 only</i></p> <p>HANXSS-15-5 Measuring Animal Behaviour <i>pre-2024 only</i></p>	
<b>Optional Year</b>	HANVK6-15-5 Integrated Placement Year		
	To progress to stage 3 you must achieve at least 210 credits.		

<b>Stage 3</b>	<p>HANVKS-45-6 Animal and Agriculture Dissertation</p> <p>HANV39-15-6 Biodiversity and Conservation</p> <p>HANVNY-15-6 Professional Skills in Zoology</p> <p>HANV9F-30-6 + Wildlife Conservation in Captivity</p>	<p>HANV38-15-6 Anthrozoology</p> <p>OR</p> <p>HANV3H-15-6 Epidemiology</p> <p>HANV4T-15-6 Advanced Animal Microbiology <i>pre-2025 only</i></p> <p>HANV4X-15-6 Cognitive Ethology <i>pre- 2025 only</i></p> <p>HANV3G-15-6 Developments in Animal Science <i>pre-2025 only</i></p>	<p><u>BSc Animal Studies</u></p> <p><u>BSc Animal Studies with integrated placement year</u> This must include the Integrated Placement Year module.</p> <p><u>BSc Zoology</u> This must include Biodiversity and Conservation, Wildlife Conservation in Captivity, and Professional Skills in Zoology.</p> <p><u>BSc Zoology with integrated placement year</u> This must include Biodiversity and Conservation, Conservation in Captivity, and Professional Skills in Zoology, and the Integrated Placement Year module.</p> <p><u>BSc (Hons) Zoology</u> This must include all core modules.</p> <p><u>BSc (Hons) Zoology with integrated placement year</u> This must include all core modules, and the Integrated Placement Year module.</p>
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**Part time:** The part time student journey from entry through to graduation is individually negotiated with the student.

## Part 4: Programme Learning Outcomes

Modules in bold are core modules and modules not emboldened are optional modules.  
A denotes a module that assesses a learning outcome and B denotes a module aligned with a learning outcome.

<b>Learning Outcomes:</b>	Comparative Animal Physiology	Genetics, Evolution and Biodiversity	Principles of Animal Welfare and Behaviour	Professional and Academic Skills in Animal Biology	Management of Animal Health	Principles of Ecology	Research Methods for Agricultural and Animal Scientists	Conservation Biology	Behavioural Ecology	Field Course	Measuring Animal Behaviour	Human Behaviour Change for Animals	Animals in Education	Professional Experience in the Animal Sector 1	Integrated Placement Year	<b>Animal and Agriculture Dissertation</b>	<b>Wildlife Conservation in Captivity</b>	<b>Biodiversity and Conservation</b>	<b>Professional Skills in Zoology</b>	Anthrozoology	Epidemiology
<b>A) Knowledge and Understanding of:</b>																					
1. the scientific basis of the study of living systems from the molecular level to global ecosystem level.	B	A	B	B	A	B		B	A	B	A					A	A	A	A		A
2. how the diversity of the animal kingdom is defined, measured and conserved.	B	B				A			A									A			
3. anatomical, physiological, evolutionary and behavioural principles.	A	A						B	A	B							B	B			
4. the global impact of the key drivers of biodiversity loss on ecosystem functioning.						B		A		B							A	A			
5. the principles of genetics as applied to the conservation of species.		B						A	B								A	B			

6. the process for robust scientific interrogation including appropriate techniques for data collection and analysis.				B	B	B	A		A	B							A			A	B	
8. the developing nature of science, and an awareness of the student's contribution to the development of knowledge.				B	B	B	B			A							A	A	A	A		
9. the importance of sustainable development in all aspects of human existence and the value of a One Health approach to protect the fragility of the natural world.						B		A		A								A	A			B
<b>B) Intellectual Skills</b>																						
1. Use problem solving skills to explore the challenges and develop new insights in zoology.		B		B	B			B	B	B			B				A	A	A	A		
2. Critically analyse and evaluate current developments across the field of zoology.	B				B		B		B	B	B						A				A	
3. Critically evaluate an aspect of zoology based on systematic rigorous research processes, which highlights implications and recommendations for developing current and future practice.	B			B	B	B	B	A	B	A	B						A					
4. Use intellectual skills to support an effective understanding of current legislation relevant to zoology-related policies in the United Kingdom and Europe.					A						A						A					
5. Recognise and apply subject-specific theories, paradigms, concepts or principles to real-world case studies and practical scenarios.				B		B	A	A	B	A							A	A	B	B		
6. Recognise moral and ethical issues of investigations and appreciate the need for ethical standards and professional codes of conduct.				B			A			B							A				B	
7. Challenge knowledge and practice through critical analysis, evaluation and application.				B	A					A			A		A				B	A		



<b>C) Performance and Practice</b>																					
1. Effectively communicate scientific concepts to a wide range of audiences using a variety of means.		B		B	B			B	B	A				A			A	A	A	A	
2. Design, plan, conduct and report on investigations, including: robust collection and analysis of data; hypothesis testing and appropriate sample selection.	B				A		A		A	A	A						A				
3. Undertake a variety of field investigations of living systems in a safe and ethical manner.	A			A	A	A	B	A	A	A	A						A				
4. Design, implement and report on field surveys, including appropriate handling of relevant animals.				A		A	B	A	B	A							B			A	
5. Use the appropriate equipment to measure environmental factors including weather and local habitat characteristics, all while demonstrating a safe working practice.						B				A										A	
6. Undertake laboratory investigations of biotic (particularly DNA) and abiotic samples in a safe and ethical manner.					B												B			A	
7. Interpret the results of field and lab investigations to provide applied solutions in conservation contexts.		B		B		B	B	A	B	A	B						B	A	A	B	A
8. Use Geographic Information Systems (GIS) tools to conduct spatial analyses.																					A
<b>D) Setting, Personal and Enabling Skills</b>																					
1. Reflect on academic, vocational and professional performance in response to feedback.				B						A				A	A	A	B		B	A	
2. Utilise problem solving skills in a variety of situations.	B			B	B			A		B		B					A		B		
3. Manage change effectively to respond to the evolving demands of the sector.				B				A		B				B				A			
4. Effectively manage time and prioritise workloads to manage wellbeing.				B		B	A			A			A	A	A		A		B	A	
5. Demonstrate information management skills, including: information technology for study and				A	B					B							A	A	B	A	

employment; library resources; avoiding plagiarism; data management software.																				
6. Appreciate the perspectives of others, with a view to how this affects their interaction with wildlife and how we can enact positive changes for nature through people.							A		B		A						A			
7. Evaluate their own ability to work individually and as part of a team in a range of situations.	B	B		B	B	B			B			A	B			A	B			
8. Demonstrate a commitment to lifelong learning through the development of academic skills.				A										A	B			A		

## Part 5: Learning, Teaching and Assessment

### Learning, Teaching and Assessment Journey:

Contact time encompasses a range of face-to-face activities. 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. During each stage of their programme a student will be allocated an academic personal tutor.

The programme will have the following distinct features for each stage of delivery:

**Foundation Stage:** The focus will be on establishing clear underpinning knowledge and study skills to support students' progress through higher levels of the programme. Theoretical lectures, practicals, seminars and debates, industry-based visits and guest speakers from industry enhance the students' academic knowledge. Practical and academic skills will be developed through a range of practical sessions and professional development activities. Assessment has been designed to prepare the student for the assessment to come in following years. As such, it demonstrates a breadth of type and gradual introduction to the expectations for university-level study. Within the Foundation stage students are supported to adjust to studying at University through spiral induction and embedded academic personal tutoring activities that facilitate the development of skills essential to academic study and professional success.

**Stage 1:** Delivery is focused on providing a scientific foundation in zoology, to support students' academic and interpersonal skill development. To achieve this the first stage concentrates on the development of fundamental knowledge, including animal form and function, behaviour, nutrition, genetics, biodiversity and ecology. Students will also learn how to assess animal health and welfare, how to interact with animals in captivity and the wild, and develop the intellectual and academic skills necessary to succeed in university level study. Time spent in the laboratory and field will support the development of a wide range of skills expected of a zoology student. In particular, the Hartpury estate will be used for practicals where students will develop their professional skills (e.g. working together in groups) and technical skills (e.g. surveying techniques). Students will be introduced to the full range of assessment types utilised in later stages of the programme, including written tests and oral examinations, report and assignment writing and preparation of scientific posters.

**Stage 2:** Delivery aims to consolidate and apply the knowledge and skills developed in the first stage of study, through evidence-based learning, application into practice and exposure to a range of guest speakers, from charities, human-animal interaction initiatives and / or conservation and animal welfare organisations. Core modules develop an understanding of conservation biology as a developing science, the role of evolution to shape behaviour and the principles of field biology and data collection and management. Exploring real-world problems will be a particular focus at this level. Interaction with industry will be facilitated, such as through the live brief in Conservation Biology. Again, the Hartpury estate will be a valuable resource for developing field skills in surveying and mapping, before further developing these skills during the field course. Optional modules allow students to tailor and build their specialist knowledge and begin to focus on their chosen career path, with choices to include animals in an educational context, or professional experience. Delivery will encourage students to develop their autonomy, engage in reflection and will reinforce the competencies developed in stage one. National and international collaborations will support the industry experience module to allow the student to undertake voluntary work, research or skills development relevant to their career aspirations.

Integrated Placement Year (optional): Students have the opportunity to further develop their employability and can experience different methods used within zoology.

Stage 3: Delivery aims to provide students with opportunities to apply research and the skills they have developed into practice, facilitating individual specialisation within their chosen career path. The final stage concentrates on the individual development of the student and the expansion of their specialist career path. Taught content will focus on evaluation of emerging issues across the zoology industry and students will be encouraged to engage in critical review and evidence-based learning, with opportunities to put this into practice during industry or research focused projects. Students will enhance skills of reflection and application through engagement with industry and live case studies, including a residential trip to a UK zoo and a series of guest lectures. Assessment will focus on intellectual skills, challenging students to demonstrate their ability to critically evaluate and analyse, synthesise knowledge from a wide range of robust sources and contribute to knowledge through their dissertation project. The Professional Skills in Zoology module will draw such skills together from across the programme and focus the student's mind towards their next step into further study or industry.

There will be a number of formative assessment opportunities throughout the programme to support students towards their summative assessment. These will be through academic and practical skills workshops through the Achievement and Success Centre at Hartpury, in animal-based facilities, in individual and group tutorials with tutors, in lectures and through industry support during employment on placements.\* There will also be further support services available to those students with additional learning needs.

#### Industry Experience and Placement learning\*

Within this programme there is an opportunity to gain academic credit for a period of industry experience for students studying at Stage 2 or a formal placement with integrated placement year between Stages 2 and 3. The student would be supported to identify an opportunity of interest, which may be with an established institution or industry partner or by individual arrangement. All periods of study/experience/placement would have to meet the institution's requirements before completion of the module. Completion of experiences is at the student's expense, although scholarships will be promoted as appropriate.

#### Virtual Learning Environment (VLE) (or equivalent)

This specification is supported by a VLE where students will be able to find 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 the institution on a regular basis and the students can use all the online resources. Tutors will also offer subject specific careers advice through module sessions or individual tutorials. A dedicated Animal Careers Insight day is arranged periodically to allow students to engage directly with employers from the industry sector. Students will engage with a range of internal and external guest speakers who can provide insight into a range of roles in the sector.

This programme will be assessed according to the approved Academic Regulations.

Students registered on this programme will have access to the Hartpury University support services.

The distinctive module used by the Programme Examination Board to inform recommending differential awards for students when considering borderline performance profiles will be:  
Animal and Agriculture Dissertation.

## Assessment Map

		Type of Assessment*							
		Coursework	Report	Portfolio	Written Examination	Written Test	Practical Skills Examination	Practical Skills Assessment	Oral Assessment
<b>Core Modules Stage 0</b>	Academic Literacy for University Studies							A (100) Graduate Skills Logbook	
	Professional Development in Practice			A (100) Industry Experience Portfolio					
	Exploring Current Concepts	A1 (20) Coursework A2 (80) Essay Based on a Case Study							
	Animal Studies				A (50) Written Examination				B (50) Group Oral Presentation with questions individually marked
	Biological Principles for Land-Based Scientists					B (50) Test Series		A (50) Practical Skills Logbook	
<b>Core Modules Stage 1</b>	Principles of Animal Welfare and Behaviour	A (100) Coursework							

	Genetics, Evolution and Biodiversity					A (50) Test		B (50) Practical Skills Logbook	
	Comparative Animal Physiology							A (100) Practical Skills Logbook	
	Professional and Academic Skills in Animal Biology							A (100) Practical Skills Logbook	
	Principles of Ecology		A (100) Poster Report						
	Management of Animal Health								A (100) Group Oral Assessment, individually marked
<b>Core Modules Stage 2</b>	Conservation Biology		B (50) Report		A (50) Open-Material Written Examination				
	Research Methods for Agricultural and Animal Scientists	A (50) Coursework				B (50) Test Series			
	Measuring Animal Behaviour		A (100) Report						
	Behavioural Ecology	A (50) Coursework B (50) Poster Coursework							
	Field Course		B (75) Project Report						A (25) Oral Presentation

<b>Optional Modules Stage 2</b>	Animals in Education							A (100) Practical Skills Assessment	
	Human Behaviour Change for Animals		A (100) Report						
	Professional Experience in the Animal Sector 1			A (100) Industry Experience Portfolio					
<b>Optional Year</b>	Integrated Placement Year			A (100) Industry Experience Portfolio					
<b>Core Modules Stage 3</b>	Wildlife Conservation in Captivity	B (40) Coursework			A1 (48) Written Examination				A2 (12) Group Oral Presentation with Questions with a group mark
	Biodiversity and Conservation	A (100) Coursework							
	Animal and Agriculture Dissertation		A1 (90) Project Report					A2 (10) Practical Skills Assessment	
	Professional Skills in Zoology							A (100) Graduate Skills Logbook	
<b>Optional Modules Stage 3</b>	Anthrozoology				A (100) Seen Open-Material Case Study(s) Written Examination				
	Epidemiology		A (100) Case Study Report						



\*Indicative assessment types for new students enrolling on this programme after the date this specification takes effect (Part 1) are shown in terms of either **Coursework**, **Written Examination**, or **Practical Examination** as indicated by the colour coding above.

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 they take 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 through Hartpury's website ([www.hartpury.ac.uk](http://www.hartpury.ac.uk)).

## Approved Programme Amendment Log

<b>Primary Programme Title:</b>	BSc (Hons) Zoology
<b>Programme Code:</b>	BSHAZOOX
<b>Initial Approval Date:</b>	01 September 2017


**Changes:**


**19/02/2024: correction of typographical error**


**Approved by CSP Chair's Action L Dumbell 2024 02 19**

Part 3: Assessment Map - 'with questions' removed from assessment element description for Stage 1 core module Management of Animal Health, in line with module correction. This suffix is not required for this assessment type and was previously included in error.

Also, text relating to Stage 3 entry removed from Part 1, as this course route is now recorded on a separate programme specification.

<b>Current version number: 11.3</b>	
<b>Outline Change Details:</b> Parts 3 and 5 updated to reflect changes to Stage 0 / Level 3 modules: HANVQX-15-3 Academic Literacy for University Studies replaces HANVG4-15-3 Foundation Skills Development; HANVRD-30-3 Professional Development in Practice replaces HANV8B-30-3 Academic Skills in Practice; HANVRR-15-3 Exploring Current Concepts replaces HANV8C-15-3 Reviewing Literature; HANVQK-30-3 Biological Principles for Land-Based Scientists replaces HANV8E Foundation Biological Principles. HANVFP-30-3 Foundation Animal Studies module title changed to Animal Studies. Part 5: Assessment Map updated to reflect Stage 0 module assessment amendments. Animal Studies Component A changed from Oral Presentation with Questions to Written Examination, Component B changed from Written Examination to Group Oral Presentation with Questions, individually marked. Part 5: Learning, Teaching and Assessment - text regarding academic personal tutoring added. Parts 3, 4 and 5: HANVQJ-15-4 Management of Animal Health replaces HANXKK-15-4 Animal Health and Disease as Stage 1 / Level 4 core module.  Information for the Level 6 entry course route removed throughout – this is now recorded on a separate programme specification.	
<b>Do the changes presented alter the mapping against the Hartpur University Curriculum Framework (delete as appropriate)? No</b>	
<b>If yes, please provide the details of the changes:</b>	
<b>Material Alteration: Yes and is accompanied by the relevant course information document.</b>	
<b>Rationale:</b> Stage 0 changes - to ensure accuracy following review of Level 3 modules. Stage 1 / Level 4 module - splitting of existing large module Animal Health and Disease into two modules (one of which is Management of Animal Health) to facilitate smaller group teaching and better pedagogical outcomes. Removal of Level 6 entry course route – separate programme specifications have been created for the Level 6 entry course route for better clarity and administrative efficiency.	
<b>Change requested by: Lucy Ractliffe</b> I can confirm that student representatives have been consulted about this change NO I can confirm that colleagues impacted by this change have been consulted I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report  	
<b>Signature:</b>	<b>Date: 15/11/2023</b>
<b>Name of Head of Department: Wanda McCormick</b> I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department	

	
<b>Signature:</b>	<b>Date:</b> 29/11/2023
<b>Approval Committee and Date:</b>	CVC Chair's action 2024 01 10
<b>Change approved with effect from:</b>	01 September 2024
<b>Resulting new version number:</b>	12.0 (2023 intake onwards)

<b>Current version number: 11.2</b>	
<b>Outline Change Details:</b> Part 3: Programme Structure. HANXNV-15-4 Animal Genetics, HANXK6-15-4 Biodiversity and HANV9E-30-4 Fundamental Skills for Zoology added as transition modules at Stage 1 (marked pre-2023). Optional modules from version 10.3 re-instated as transition modules: HANXSS-15-5 Measuring Animal Behaviour (now core), HANXRK-15-5 Animal Microbiology, HANXSN-30-5 Applied Animal Health and Disease and HANXSY-15-5 Field Course (Stage 2, marked pre-2024), and HANV4T-15-6 Advanced Animal Microbiology, HANV4X-15-6 Cognitive Ethology and HANV3G-15-6 Developments in Animal Science (Stage 3, marked pre-2025).	
<b>Do the changes presented alter the mapping against the Hartpury University Curriculum Framework (delete as appropriate)? No</b>	
<b>If yes, please provide the details of the changes:</b>	
<b>Material Alteration: No</b>	
<b>Rationale:</b> To accommodate continuing students.	
<b>Change requested by: Ben Brilot</b> I can confirm that student representatives have been consulted about this change I can confirm that colleagues impacted by this change have been consulted I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report	
<b>Signature:</b>	<b>Date:</b> 19/09/23
<b>Name of Head of Department: Wanda McCormick</b> I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department	
	
<b>Signature:</b>	<b>Date:</b> 19/09/2023
<b>Approval Committee and Date:</b>	CSP Chair's action (LD) 2023 09 19
<b>Change approved with effect from:</b>	01 September 2023
<b>Resulting new version number:</b>	11.3 (2023 intake onwards)

### CSP Chair's action 2023 09 19

<b>Current version number: 11.1</b>	
<b>Outline Change Details:</b> Parts 3, 4 and 5: Stage 1 / Level 4 core module HANV83-15-4 Animal Behaviour and Welfare module name changed to Principles of Animal Welfare and Behaviour. Part 4: Programme Learning Outcomes mapping - LO D7 changed to B for Principles of Ecology and Animal Health and Disease. Part 5: Learning, Teaching and Assessment - mention of a minimum of 15 hours per week of contact hours removed. Part 5: Assessment Map updated to reflect module amendments.	

Stage 1 / Level 4 core modules: Principles of Animal Welfare and Behaviour (was Animal Behaviour and Welfare) changed to A (100) Coursework, and Written Examination removed; Principles of Ecology changed to A (100) Poster Report (was Essay), and Group Poster Defence removed; Animal Health and Disease changed to A (100) Group Oral Assessment, individually marked (was group mark), and Test removed. Stage 2 / Level 5 core module Behavioural Ecology Component A changed from Written Examination to Coursework.  
 Stage 2 / Level 5 optional module Human Behaviour Change for Animals changed to A (100) Report (was Project Report), and Coursework removed.  
 Stage 3 / Level 6 core modules: Biodiversity and Conservation changed to A (100) Coursework, and Oral Presentation removed; Professional Skills in Zoology changed to A (100) Graduate Skills Logbook, and Oral Examination removed.  
 Stage 3 / Level 6 optional module Epidemiology changed to A (100) Case Study Report, and Written Examination removed.

**Additional non-material alterations approved by CSP Chair's action (LD) 04/09/2023**

Part 3: Programme Structure – ordinary degree interim award BSc Zoology updated to include Professional Skills in Zoology as a required module, for both course routes.

Part 4: Programme Learning Outcomes mapping - LO D7 'A' added for Wildlife Conservation in Captivity; D6 changed from B to A for Biodiversity and Conservation. LO D7 wording changed to 'Evaluate their own ability to work individually and as part of a team in a range of situations.'

**Do the changes presented alter the mapping against the Hartpury University Curriculum Framework (delete as appropriate)? No**

**If yes, please provide the details of the changes:**

**Material Alteration: Yes and is accompanied by the relevant course information document.**

**Rationale:**

Assessment strategy has been reviewed to provide a more balanced variety of assessment types and reduce the overall load for both students and staff.

**Change requested by: Wanda McCormick**

I can confirm that student representatives have been consulted about this change

I can confirm that colleagues impacted by this change have been consulted

I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report

**Signature:**



**Date:** 04/07/23

**Name of Head of Department: Wanda McCormick**

I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department

**Signature:**



**Date:** 04/07/23

**Approval Committee and Date:**

CVC Deputy Chair's action (SB / LD) 2023 07 27

**Change approved with effect from:**

01 September 2023

**Resulting new version number:**

11.2 (2023 intake onwards)

**Current version number: 11.0**

**Outline Change Details:**

Parts 3, 4 and 5: HANVMV-15-5 Professional Experience in the Animal Sector 1 added as Stage 2 / Level 5 optional module.

Part 5: Assessment Map updated to reflect module amendments -

Stage 3 / Level 6 optional module Anthrozoology changed from Open-Material Written Examination to Seen Open-Material Case Study(s) Written Examination.

Stage 1 / Level 4 core module Animal Health and Disease Component A changed from Written Examination to Test, Component B changed from Case Study Report to Group Oral Assessment with a group mark.  
 Part 5: Assessment map updated to reflect module changes. Stage 1 / Level 4 core module Animal Health and Disease - Component A changed from Written Examination to Test, Component B changed from Case Study Report to Group Oral Assessment with a group mark;  
 Leve 5 module Measuring Animal Behaviour assessment altered from Report and Examination to Report  
 Level 6 entry module Investigative Skills for the Successful Undergraduate changed from In-Class Test to Test.  
 Part 3: Programme Structure – ORs added to Stage 2 and Stage 3 optional modules, to aid clarity.

**Do the changes presented alter the mapping against the Hartpury University Curriculum Framework (delete as appropriate)? No**

**If yes, please provide the details of the changes:**

**Material Alteration: Yes**

**Rationale:** to ensure accuracy following amendments to modules.

**Change requested by: Ben Brilot**

- I can confirm that student representatives have been consulted about this change
- I can confirm that colleagues impacted by this change have been consulted
- I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report

**Signature:** B Brilot

**Date:** 15/02/23

**Name of Head of Department: Wanda McCormick**

I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department



**Signature:**

**Date:** 16/03/2023

**Approval Committee and Date:**

CVC 2023 03 17

**Change approved with effect from:**

01 September 2023

**Resulting new version number:**

11.1 (2023 intake onwards)

31/01/2023

Parts 3, 4 and 5: HANV4X-15-6 Stage 3 / Level 6 optional module Cognitive Ethology removed, as previously included in error.

Correction approved by CVC Chair's action 31/01/2023

Also, HANXK6-15-4 Biodiversity removed from Part 3 as previously included in error.

**Current version number: 9.0**

**Outline Change Details:**

Part 3 Programme Structure updated:

Stage 1 / Level 4

New core module added: HANVN3-15-4 Principles of Ecology.

HANVMJ-15-4 Professional and Academic Skills in Animal Biology replaces HANV9E-30-4 Fundamental Skills for Zoology.

HANVP4-30-4 Genetics, Evolution and Biodiversity replaces HANXNV-15-4 - Animal Genetics and HANXK6-15-4 Biodiversity

Stage 2 / Level 5

HANXSY-15-5 Field Course changed from optional to core.

New optional modules added: HANVPW-15-5 Human Behaviour Change for Animals and HANVMV-15-5 Professional Experience in the Animal Sector.

Optional modules removed: HANXRK-15-5 Animal Microbiology; HANXSN-30-5 Applied Animal Health and Disease; HANXRP-15-5 International Academic Study Portfolio and HANXRQ-30-5 International Academic Study Project.

Stage 3 / Level 6

New modules added: HANVNY-15-6 Professional Skills in Zoology

Optional modules removed: HANV4T-15-6 Advanced Animal Microbiology and HANV3G-15-6 Developments in Animal Science.

Part 4: Programme Learning Outcomes changed.

Part 5: Assessment map updated to reflect programme structure changes

Also updated in line with module assessment change:

Comparative Animal Physiology changed from 75% Written Exam and 25% Coursework to 100% Practical Skills Assessment.

**Material Alteration: Yes and is accompanied by the relevant course information document.**

**Rationale:**

Updates as a result of PSR and development of professional skills list that has been mapped to new module and programme specs. Programme identity has been shifted completely to one focused on ecology and conservation. Options outside of this identity have been removed. Professional skills modules have been refined and added to promote student employability across the student journey. Programme Learning Outcomes were previously a mixture of applied animal science and zoology. Remaining animal science elements have now been removed.

**Change requested by:** Ben Brilot

I can confirm that student representatives have been consulted about this change

I can confirm that colleagues impacted by this change have been consulted

I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report

**Signature:** B Brilot

**Date:** 11/11/22

**Name of Head of Department:** Wanda McCormick

I confirm that this change does require additional resources and have included a completed Resource Impact and Authorisation Form



**Signature:**

**Date:** 14/11/22

**Approval Committee and Date:**

CVC Chair's action 2023 01 19

**Change approved with effect from:**

01 September 2023

**Resulting new version number:**

11.0 (2023 intake onwards)

**23/09/2022 – ‘with Integrated Placement Year’ programme title corrected to ‘with integrated placement year (ie lower case) throughout, in line with current naming convention.**

**11/04/2022 – Unit-E code added for Level 6 (Stage 3) entry**

**Current version number: 7.1**

**Outline Change Details:**

Transfer onto the new template, as a result of the curriculum refresh

Changes have been made to the Learning Outcomes of the programme to fit with the new curriculum guidelines.

Parts 3, 4 and 5: HANVMF-30-4 Comparative Animal Physiology replaces HANXK4-15-4 Systems Biology and HANXK5-15-4 Animal Nutrition; HANVKS-45-6 Animal and Agriculture Dissertation replaces HANV3R-45-6 Undergraduate Dissertation; HANVKV-15-5 Research Methods for Agricultural and Animal Scientists replaces HANXU5-15-5 Undergraduate Research Process; module name changed from Wildlife Management and Conservation Genetics to Wildlife Conservation in Captivity.

Undergraduate Independent Study removed as an optional module. Animal Psychology module title changed to Cognitive Ethology and changed to one point of assessment – Report; HANXSW-15-5 Ethics and Welfare and HANXRX-15-5

Independent Report removed as Level 5 optional modules.

Parts 1 and 3 – interim awards updated, including addition of new 30 credit Certificate in Academic Skills.

Part 5: assessment for Foundation Biological Principles Component B changed from portfolio (coursework) to test series (written exam); Level 6 optional module Advanced Animal Microbiology Component B changed from practical skills assessment to project report (coursework).

**Material Alteration: Yes and is accompanied by the relevant course information document.**

**Rationale:** Changes have been made as part of the curriculum refresh, including increasing the focus on sustainability and wellbeing, and making the progression through research skills more evident.

**Change requested by: Lucy Bearman-Brown**

- I can confirm that student representatives have been consulted about this change
- I can confirm that colleagues impacted by this change have been consulted
- I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report

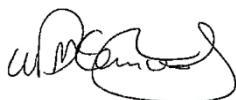


**Signature:**

**Date:** 8<sup>th</sup> November 2021

**Name of Head of Department: Wanda McCormick**

- I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department; OR;
- I confirm that this change does require additional resources and have included a completed Resource Impact and Authorisation Form



**Signature:**

**Date:** 24/1/2022

<b>Approval Committee and Date:</b>	Refresh Approval Panel action 2022 03 21
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<b>Change approved with effect from:</b>	01 September 2022
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<b>Resulting new version number:</b>	9.0 (2022 intake onwards)
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**Current version number: 6.9**

**Outline Change Details:**

Part 6: Assessment map

Level 5 optional module Measuring Animal Behaviour - Component A (in class test) weighting changed to 30%. Component B (report) added.

HANVG4-15-3 Foundation Skills Development

Module code changed from HANV8A-30-3 to HANVG4-15-3 - reduced to 15 credits.

Assessment component A changed from written exam to in class test.

HANVFP-30-3 Foundation Animal Studies

Module code changed from HANV8G-15-3 to HANVFP-30-3 - increased to 30 credits.

Assessment component B changed from in class test to written examination.

Level 5 compulsory module HANXSR-30-5 changed from Behavioural and Evolutionary Ecology to Behavioural Ecology. Assessment component A (written exam) weighting changed to 50%.

Component B changed from report to oral presentation and weighting changed to 50%.

Parts 1 and 3: Foundation interim award updated to Higher Education Foundation Certificate in Academic Skills.

**Material Alteration: Yes**



**Rationale:**

Updated to reflect module changes: modules amended in response to students' request for more subject-specific content in the Foundation year second semester.

After a review of the interim award titles, it was agreed this revised title provided better clarity.

**Change requested by: Ben Brilot**

- I can confirm that student representatives have been consulted about this change
- I can confirm that colleagues impacted by this change have been consulted

I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report	
	
<b>Signature:</b>	<b>Date:</b> 06/03/21
<b>Name of Head of Department: Dr Wanda McCormick</b>	
I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department	
	
<b>Signature:</b>	<b>Date:</b> 8/3/2021
<b>Approval Committee and Date:</b>	CVC Chair's action 2021 04 26
<b>Change approved with effect from:</b>	01 September 2021
<b>Resulting new version number:</b>	7.1 (2021 intake onwards)

<b>Current version number: 6.6</b>	
<b>Outline Change Details:</b>	
Parts 3, 4, 5 and 6: Module HANVK6-15-5 name changed from Year Work Placement to Integrated Placement Year, in line with module amendment. Part 3: module code corrected from HANVK6-15-2 to HANVK6-15-5.	
Part 6: assessment for component A of module HANV8E-30-3 Foundation Biological Principles amended from practical exam to practical skills assessment.	
Assessment for Fundamental Skills for Zoology corrected from A100 portfolio to A100 practical skills assessment.	
Interim requirements updated.	
<b>Material Alteration: Yes and is accompanied by the relevant course information sheets.</b>	
<b>Rationale: to ensure accuracy</b>	
<b>Change requested by: CVC</b>	
n/a I can confirm that student representatives have been consulted about this change	
n/a I can confirm that colleagues impacted by this change have been consulted	
n/a I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report	
<b>Date:</b> 30/07/2020	
<b>Approval Committee and Date:</b>	CVC Chair's action 2020 08 13
<b>Change approved with effect from:</b>	1 September 2020
<b>Resulting new version number:</b>	6.9 (intakes 2020+)

28 May 2020- Addition of UCAS and Unit-E codes for Level 6 entry.

<b>Current version number: 6.3</b>	
<b>Outline Change Details:</b>	
Part 1	
Interim awards updated	
Part 2	
Education aims of the programme modified: outdated aims (points 4, 9 and 10) removed and references to animal science removed from points 1 and 2.	
HEAR statement also tweaked to better reflect programme emphasis on wild animal studies.	
Part 3	
Alterations to Stage 2: Behavioural and Evolutionary Ecology made Compulsory (previously Optional). Animal Reproduction Physiology; International Academic Study Portfolio; Management of Domestic Animals; all removed from Optional modules.	
Alterations to Stage 3: Biodiversity and Conservation made Compulsory (previously Optional).	
Programme structure for direct entry to Level 6 added. Applied Research Project and Investigative Skills for the Successful Undergraduate substituted for Undergraduate Dissertation as Compulsory. All other modules are as per a continuing student.	
Interim awards updated.	
Part 4	



Programme learning outcomes have been updated to remove last vestiges of previous Animal Science degree and further towards a more holistic zoology programme. Points A1, A4, B2, B3, B5 and C5 updated, point C1 removed. Mapping also reflects changes in programme structure.

Part 5

Small alterations and deletions to ensure accuracy in description of provided teaching, plus error corrections.

Altered to make clearer which elements are applicable to which stages to ensure clarity for direct entry students.

Part 6

Small alterations and deletions to ensure accuracy in description of assessment, plus error corrections.

Assessment map updated to reflect programme structure

Assessment for Level 5 optional module Independent Report (HANXR-15-5) updated from 25% exam and 75% coursework to 100% coursework, in line with amendment to module.

Assessment for Level 4 module Systems Biology (HANXK4-15-4) updated in line with module amendment: Component A changed from practical exam to in-class test. Unistats changed from 50% practical exam to 50% written exam.

Altered to make clearer which elements are applicable to which stages to ensure clarity for direct entry students.

Part 7

Statement added in relation to requirement of direct entrants to level 6 entry to have prior learning approved and potentially be interviewed.

Part 8

Removed in line with current template.

'Year' replaced with 'stage' throughout document, where appropriate, in line with current terminology.

**Material Alteration: Yes and is accompanied by the relevant course information sheets.**

**Rationale:** When the original zoology programme was written it was done when students had already been recruited to the coming year, so changes were kept to a minimum. This meant programme learning outcomes were only changed slightly, and module changes were avoided unless clearly necessary. With more time to reflect on the relevance of some modules, and discussion with students regarding the choices they have made for optional modules it is apparent that too many modules are currently offered at level five. This creates significant issues with timetabling and managing assessment. Therefore, this has all been addressed to a large degree. In order to give this programme greater point of difference from BSc Bioveterinary Science Animal Reproductive Physiology and Management of Domestic Animals have been removed, and the 15 credit International Academic Study module has also been deleted to simplify options for studying overseas. Biodiversity & Conservation has been moved to compulsory at level 6 to avoid overlap with other modules, whilst ensuring key knowledge is covered and to reflect the nature of the students' ambitions.

Reference to the Biosciences Benchmark Statement has informed slight changes to programme learning outcomes, and outdated reference to 'animal science' have been removed.

**Change requested by:** Lucy Bearman-Brown

Yes I can confirm that student representatives have been consulted about this change

Yes I can confirm that colleagues impacted by this change have been consulted

Yes I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report



**Signature:**

**Date:** 6/11/19

**Name of Head of Department:**

I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department

**Signature:**




**Date:** 6<sup>th</sup> February 2020

**Approval Committee and Date:** CVC 2020 03 03

**Change approved with effect from:** 1 September 2020

**Resulting new version number:** 6.6 (intakes 2020+)

<b>Current version number:</b> V6.1 01 September 2018	
<b>Outline Change Details:</b> Module name change from "Behavioural Measurement" to "Measuring Animal Behaviour"	
<b>Material Alteration:</b> No	
<b>Rationale:</b> Proposed name change makes the module clearer in terms of content covered.	
<b>Module description for Course Information Sheets:</b> No changes to description, same as before. Only change is module name.	
<input checked="" type="checkbox"/> <b>Change requested by: Sienna Taylor</b> <input checked="" type="checkbox"/> I can confirm that all programme managers have been consulted and support this change <input checked="" type="checkbox"/> I can confirm that student representatives have been consulted about this change I have retained evidence of this consultation which has been placed in the Module File   <b>Signature:</b> _____ <b>Date:</b> 20/11/2018	
<b>Name of Head of Department: Jane Williams</b>	
<input checked="" type="checkbox"/> Yes I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department; OR; <input type="checkbox"/> I confirm that this change does require additional resources and have included a completed Resource Impact and Authorisation Form	
<b>Signature:</b> Jane Williams <b>Date:</b> 20/11/18	
<b>Approval Committee and Date:</b>	
<b>Change approved with effect from:</b>	01 September 2019 (2019 intake)
<b>Resulting new version number:</b>	V6.3

### Version 6.1

<b>Rationale:</b> 1. Part 1: Basic Data requires the Awarding Body to be amended from Hartpury College to Hartpury University. 2. Award Titles amended to replace (SW) with (IP). 3. Removed BUWE B80. 4. Subject Benchmark Statements updated where required	
<b>Material Alteration:</b> Yes and Course Information Sheet amended appropriately: Not required	
<b>Outline Change Details:</b> 1. Part 1: Basic Data requires the Awarding Body to be amended from Hartpury College to Hartpury University.	
<b>Change requested by:</b>	Academic Registrar
<b>CVC approval date:</b>	31 August 2018
<b>Change approved with effect from:</b>	01 September 2018
<b>New version number:</b>	6.1

### Version 3.2

<b>Outline Change Details:</b> Adjustment of assessment for Animal Genetics HANXNV-15-4 To amend assessment from 100% Oral Presentation to 75% Oral Presentation and 25% In-Class Test	
<b>Rationale:</b> To improve assessment balance and student experience.	
<b>Change requested by:</b>	Rachel Collins
<b>CVC approval date:</b>	01 March 2018
<b>Change approved with effect from:</b>	01 September 2019

### Version 3.1

<b>Outline Change Details:</b> It is proposed to remove the following modules: LEVEL 4: Anatomy & Physiology (Compulsory) Introduction to Animal Behaviour (Compulsory) Introduction to Animal Welfare (Compulsory)
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LEVEL 5:  
 Applied Animal Nutrition (Compulsory)  
 Animal Production (Optional)  
 Animal Therapy 1 (Optional)

LEVEL 6:  
 Animal Therapy 2 (Optional)  
 Wildlife & Zoo Management (Optional)  
 Advanced Animal Nutrition (Optional)  
 Advanced Animal Production (Optional)

The following existing modules will be added:

LEVEL 4:  
 Systems Biology (Compulsory)  
 Animal Behaviour & Welfare (Compulsory)

LEVEL 5:  
 Behavioural & Evolutionary Ecology (Optional)  
 Animals in Education (Optional)

The following new modules are proposed:

Fundamental Skills for Zoology HANV9E-30-4 (Compulsory)  
 Conservation Biology HANV9D-30-5 (Compulsory)  
 Wildlife Management & Conservation Genetics HANV9F-30-6 (Compulsory)

Developments in Animal Science (HANV3G-15-6) has moved from Compulsory to Optional.

Addition of interim award BSc Zoology with integrated placement year to Part 1: Basic Data and Part 3: Programme Structure.

**Rationale:** To maximize student recruitment, achievement and experience, and subsequent employability in Zoology, the programme team feel that some minor amendments to the programme structure which are outlined in this proposal.

<b>Change requested by:</b>	Lucy Bearman-Brown
<b>CVC approval date:</b>	01 March 2018
<b>Change approved with effect from:</b>	01 September 2018

### Version 3.0

**Rationale:** We are proposing changing the name from Applied Animal Science to Zoology after consultation with prospective students who feedback that the existing name did not reflect the content and focus of the degree, and they did not feel it would support their long term career aspirations. Zoology is defined as the scientific study of the behaviour, structure, physiology, classification, and distribution of animals; the current course provides students with all of this knowledge combined with a specific wildlife and zoo conservation focus, and as such zoology defines this programme much better than applied animal science.

**Material Alteration:** Yes and **Course Information Sheet amended appropriately:** Yes

**Outline Change Details:**

Change name of highest awards to BSc (Hons) Zoology with integrated placement year and BSc (Hons) Zoology

No other amendments but this affects almost all sections.

<b>Change requested by:</b>	Jane Williams
<b>CVC approval date:</b>	17 January 2018
<b>Change approved with effect from:</b>	01 September 2018
<b>New version number:</b>	v2.0