

Programme Specification

Part 1: Basic Data			
Primary Programme Title	BSc (Hons) Bioveterinary Science		
Target Award Titles	Mode and Typical Duration of Study	Professional Accrediting Body Links	Study Abroad / Exchange / Credit Recognition
BSc (Hons) Bioveterinary Science	Stage 0 Entry: Full time, 4 years, Part time, 8 years Stage 1 Entry: Full time, 3 years Part time, 6 years	None	None
BSc (Hons) Bioveterinary Science 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	None	None
Interim Award Titles	BSc Bioveterinary Science BSc Bioveterinary Science with integrated placement year BSc Animal Studies BSc Animal Studies with integrated placement year Diploma of Higher Education in Animal Studies Certificate of Higher Education in Animal Studies Undergraduate Certificate in Animal Studies Certificate in Academic Skills Higher Education Foundation Certificate in Academic Skills		
Teaching Delivery Method	On-site		
Awarding Institution	Hartpury University		
Teaching Institution	Hartpury University		
Delivery Location	Hartpury		
Department Responsible for Programme	Animal and Agriculture		
Unit-E Code	BSHABVSX		
Entry Criteria Information	Applicants will have achieved entry criteria appropriate for the stage of entry, which can be found through the Hartpury website (www.hartpury.ac.uk)		
Most Recent Validation Date	21 March 2022	Due for Re-validation By	01 September 2027
Amendment Approval Date	V7.0 – 17 March 2023 V8.0 – 25 October 2023 V9.0 – 10 Jan 2024	Approved With Effect From	V7.0 - 01 September 2023 V9.0 - 01 September 2024

Professional Accrediting Body Approval Date	N/A	Date for Re-accreditation	N/A
Version	9.0		

Part 2: Programme Overview

A BSc (Hons) Bioveterinary Science graduate have had the opportunity to expand their knowledge and understanding on a range of animal health topics supporting individual interests and career aspirations. Irrespective of subjects chosen, graduates have developed skills in critical enquiry and evaluation of current process and practices in Bioveterinary Science. Graduates have acquired current subject knowledge that can be applied to solve challenges within industry. They possess the fundamental vocational skills and graduate attributes to enable them to be an effective team member within laboratory, veterinary medicine and animal management environments. Graduates have been exposed to a range of veterinary diagnostic practices and are confident to assist with animal health assessments. They are also able to evaluate the role of various veterinary diagnostic techniques within industry and how these are utilised in small- and large-scale animal environments.

A BSc (Hons) Bioveterinary Science with integrated placement year graduate have had the opportunity to expand their knowledge and understanding on a range of animal health topics supporting individual interests and career aspirations. Irrespective of subjects chosen, graduates have developed skills in critical enquiry and evaluation of current process and practices in Bioveterinary Science. Graduates have acquired current subject knowledge that can be applied to solve challenges within industry. They possess the fundamental vocational skills and graduate attributes to enable them to be an effective team member within laboratory, veterinary medicine and animal management environments. Graduates have been exposed to a range of veterinary diagnostic practices and are confident to assist with animal health assessments. They are also able to evaluate the role of various veterinary diagnostic techniques within industry and how these are utilised in small- and large-scale animal environments. An optional year work placement means they have had the opportunity to apply their learning in a practical context, reflecting on and evaluating their performance within 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
Stage 0	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 OR HANV8G-15-3 Foundation Animal Studies <i>pre-2022 only</i> 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> OR HANV8A-30-3 Foundation Skills Development <i>pre-2022 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.		
Stage 1	<p>HANXNW-30-4 Anatomy and Physiology</p> <p>HANXNV-15-4 Animal Genetics and Breeding OR HANXNV-15-4 Animal Genetics <i>pre-2024 only</i></p> <p>HANXKK-15-4 + Animal Health and Disease</p> <p>HANV89-15-4 Animals in Society</p> <p>HANXNY-15-4 Introduction to Biochemistry</p> <p>HANV83-15-4 Principles of Animal Welfare and Behaviour OR HANV83-15-3 Animal Behaviour and Welfare <i>pre-2023 only</i> OR HANXK9-15-4 Introduction to Animal Welfare <i>pre-2022 only</i></p> <p>HANVMJ-15-4 Professional and Academic Skills in Animal Biology OR HANV69-15-4 Fundamental Skills for the Animal Scientist <i>pre-2023 only</i></p> <p>HANXK5-15-4 Animal Nutrition <i>pre-2024 only</i></p>	None	<p><u>Certificate of Higher Education in Animal Studies</u></p> <p><u>Undergraduate Certificate in Animal Studies</u></p>
	To progress to Stage 2 you must achieve at least 90 credits.		
Stage 2	<p>HANVQ3-30-5 + Animal Disease and Parasitology OR HANXSN-30-5 + Applied Animal Health and Disease <i>pre-2024 only</i></p> <p>HANXRK-15-5 Animal Microbiology</p> <p>HANV6A-15-5 Animal Structure and Motion</p>	<p>HANXSL-15-5 Animal Production</p> <p>OR</p> <p>HANVP7-15-5 Biochemistry and Toxicology</p> <p>OR</p> <p>HANVMV-15-5 Professional Experience in the Animal Sector 1</p>	<p><u>Diploma of Higher Education in Animal Studies</u></p>

	<p>HANXT9-15-5 Pathology</p> <p>HANVQQ-15-5 Principles of Animal Nutrition</p> <p>HANVKV-15-5 Research Methods for Agricultural and Animal Scientists OR HANXU5-15-5 Undergraduate Research Process <i>pre-2022 only</i></p>	<p>HANXRK-15-5 Animal Microbiology <i>pre-2025 only</i></p> <p>HANV6A-15-5 Animal Structure and Motion <i>pre-2025 only</i></p> <p>HANXU4-15-5 Animal Therapy 1 <i>pre-2025 only</i></p> <p>HANXT8-30-5 Management of Domestic Animals <i>pre-2025 only</i></p>	
Optional Year	HANVK6-15-5 Integrated Placement Year	None	
To progress to Stage 3 you must achieve at least 210 credits at Stage 1 and 2.			
Stage 3	<p>HANVKS-45-6 Animal and Agriculture Dissertation OR HANV3R-45-6 Undergraduate Dissertation <i>pre-2022 only</i></p> <p>HANV3H-15-6 Epidemiology</p> <p>HANVQF-30-6 + Immunology and Animal Disease OR HANV3J-30-6 + Animal Disease <i>pre-2025 only</i></p> <p>HANV3L-15-6 Pharmacology</p>	<p>HANV4T-15-6 Advanced Animal Microbiology OR HAGVQ5-15-6 Current Issues in Livestock Science</p> <p>HANV36-15-6 Animal Therapy 2 <i>pre-2026 only</i></p> <p>HANV3G-15-6 Developments in Animal Science <i>pre-2026 only</i></p> <p>HAGVR4-30-6 Developments in Livestock Science <i>pre-2025 only</i> OR HAGV7J-15-6 Developments in Livestock Production <i>pre-2025 only</i></p> <p>HANV3H-15-6 Epidemiology <i>pre-2026 only</i></p>	<p><u>BSc Animal Studies</u></p> <p><u>BSc Animal Studies with integrated placement year</u> Must include the Integrated Placement Year module.</p> <p><u>BSc Bioveterinary Science</u> Must include all core module except Animal and Agriculture Dissertation / Undergraduate Dissertation.</p> <p><u>BSc Bioveterinary Science with integrated placement year</u> Must include all core module except Animal and Agriculture Dissertation / Undergraduate Dissertation, and must include the Integrated Placement Year module.</p> <p><u>BSc (Hons) Bioveterinary Science</u> Must include all core modules.</p> <p><u>BSc (Hons) Bioveterinary Science with integrated placement year</u> Must include all core modules and the Integrated Placement Year module.</p>

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.

Learning Outcomes:	Anatomy and Physiology	Animal Genetics and Breeding	Principles of Animal Welfare and Behaviour	Professional and Academic Skills in Animal Biology	Animals in Society	Introduction to Biochemistry	Animal Health and Disease	Research Methods for Agricultural and Animal Scientists	Animal Disease and Parasitology	Pathology	Principles of Animal Nutrition	Animal Microbiology	Animal Structure and Motion	Biochemistry and Toxicology	Animal Production	Professional Experience in the Animal Sector 1	Integrated Placement Year	Animal and Agriculture Dissertation	Immunology and Animal Disease	Pharmacology	Epidemiology	Advanced Animal Microbiology	Current Issues in Livestock Science
A) Knowledge and Understanding of:																							
1. The problems and new insights in the field of bioveterinary science including issues pertaining to the area of diagnostic techniques and animal health.						B			A	B		B	B	A	B				A	A	B	A	
2. Anatomical, physiological and nutritional principles related to animal health and disease.	A	B				A			A	A	A		B	A	B				A	B			
3. The different modes of disease transmission, and the effects on individuals and populations.							B		A	B		B							A		A	B	
4. How to perform laboratory tests relevant to given situations and evaluate the validity of	B					A				A	A	A	B	A				A				A	

test results within the context of the clinical case.																							
5. How established techniques of research and enquiry are used to create and interpret knowledge in the applied science discipline.			A	A				A						B	B			B	A	B	B	B	A
B) Intellectual Skills																							
1. Use problem solving skills and decision-making strategies to support test results in the context of the clinical case.	B					A			A	B	A	A	B	A				B	A	A	B	A	
2. Use skills of reflection, evaluation and critical thinking to support effective diagnostic techniques in the bioveterinary context.						A			A	B		A	B	B	B				A			A	B
3. Demonstrate the ability to apply critical evaluation and informed decision-making when undertaking diagnostic techniques in relation to animals both in health and sickness.			B	B		B				A		A		B				B	B	B	B	A	B
4. Demonstrate the ability to undertake sustained study applying deeper cognitive learning to an aspect of animal health / disease.				B				A						B	B	B		B	A	B	B	B	B
5. Critically evaluate an aspect of bioveterinary science based on systematic rigorous research processes which highlights both implications and recommendations for developing current and future diagnostic practice.						B			A					B	A				A	A	B	B	B
6. Demonstrate a commitment to continuing professional development and lifelong learning through the development of skills in relation to self -directed and independent study.	B	B	B	A	B	B	B						B					A	B	A	B	B	B
C) Performance and Practice																							
1.Critically evaluate an aspect of bioveterinary science based on systematic rigorous research processes which highlights implications, recommendations and sustainable development within current and future practice.						B			A	A					B	B			A	A	A	B	B
2. Undertake skilled and competent evaluative and practical bioveterinary skills	A					A			B	A	A	A	A	B					A			B	A
3. Acknowledge diversity and communicate effectively, establishing professional and ethical relationships				B	B		B	B	B	B				B	B			A		A	B	A	B
4. Maintain the standards and practices required of the industry				A					B	A			A	B	B	B	B		B	B	A	B	A
5. Work professionally with others as an effective team member.				B			A						B					B		B			B

6. Recognise moral / ethical dilemmas and issues.			A	B	B				A				B		B			A		B	B		B
D) Setting, Personal and Enabling Skills																							
1. Communicate effectively using a variety of means	A	A	A	A	B	A	A	A	A	A	A	A	A	B	A	B	A	A	A	A	A	A	A
2. Evaluate their own academic, vocational and professional performance supported by feedback and personal reflection				A												A	A	B					
3. Utilise problem solving skills in a variety of theoretical and practical situations				A	B	A		A	A		A	A						A				A	
4. Manage change effectively and respond to the evolving demands of the industry demands				B	B						A						A	A				A	
5. Take responsibility for personal and professional learning, wellbeing and career development				A				B								A	B	B					
6. Understand career opportunities and challenges ahead and begin to plan a career path				A					B							B	B						B
7. Use information management skills, for example, information technology, library resources, the use of information technology in the workplace.				A		B		A	B		B	B		B			A	A				B	

Part 5: Learning, Teaching and Assessment

Learning, Teaching and Assessment Journey:

The Bioveterinary Science programme utilises a mixture of teaching and assessment approaches, which aims to support the student to develop comprehensive knowledge and understanding of the principles of animal health and disease. Learning opportunities are varied, with students able to put theory into practice using the campus animal facilities and real-life situations and events. The teaching and learning strategies employed within modules aim to develop graduates who can recognise trends and patterns, and propose justified solutions to problems related to animal health and disease. During each stage of their programme a student will be allocated an academic personal tutor.

Students will experience a variety of assessments in the wide range of core and optional modules provided, including coursework, written examinations, oral presentations, case studies, project reports and practical skills logbooks. These assessments will be focused on the practical application of knowledge to Bioveterinary contexts and will include a 'live brief', i.e. an assessment directly linked to a current issue in industry. There will be a range of assessments at each stage that will scaffold students in their development: supporting them to build their own confidence in applying their written, oral, and practical skills as they progress through the course towards their final dissertation and to ensure they have the skills to excel in employment or further study. A combination of formative opportunities and summative feedback on assessed work will provide students with iterative guidance on how to improve. 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. Practical and academic skills will be enhanced, through a range of practical sessions and professional development activities. Students will learn in small groups to develop confidence, whilst working alone on projects to develop independent study skills in their own area of interest. Assessments are designed to support students to develop their academic skills to prepare them for the first stage of their chosen degree. They will gain feedback on oral presentation skills, written examinations and reports to allow them to enter the next stage confidently with the required attributes to achieve. 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 to support students' academic and interpersonal skill development. To achieve this, Stage 1 concentrates on the development of fundamental knowledge of animal health and disease, anatomy and physiology, and animal nutrition. Students will learn how to assess animal health, with an introduction to behaviour and welfare as well as beginning to gain an appreciation of animal disease and biochemical processes. Intellectual skills are developed through lectures, seminars, practical sessions and academic workshops. Assessments are designed to support students' development in key academic skills appropriate to Stage 1 by providing a range of assessment types that will support their progression through the programme. Laboratory reports, case study reports and examinations are a key feature of the assessments at stage one to replicate basic industry requirements and ensure they have the underpinning knowledge to progress to Stage 2. Written skills will gain further feedback to allow students to build their intellectual skills to show they have gained the core skills to analyse and evaluate research and practice.

Stage 2: Delivery and assessment aims to consolidate the knowledge and skills developed in Stage 1. Students are encouraged to evaluate veterinary diagnostics, and disease management and prevention protocols for a variety of species. In Stage 2, students continue to apply their knowledge and understanding through evidence-based learning and application into practice. Some assessments will reflect this applied learning, and provide students an opportunity to demonstrate their knowledge and understanding via practical skills assessments. Optional modules allow students to tailor and build their specialist knowledge and begin to focus on their chosen career path, with choices to include Animal Production and Biochemistry and Toxicology. Delivery and assessment will encourage students to develop their autonomy, engage in reflection and will reinforce the competencies developed in Stage 1.

Integrated Placement Year (optional): Students have the opportunity to further develop their employability and can experience different methods used within animal health industries in either a regional, national or an international environment. A reflective assessment encourages students to consider the impact of this experience and the skills gained.

Stage 3: Delivery and assessment 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 developing animal health 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, culminating in the assessment of a case study-based module, for reflective improvement and advancement of industry research and practice. In addition, students will have the option to engage in a range of assessments via optional modules that build on knowledge and skills from previous stages and reflects the industry requirements in those specific subject areas.

Teaching contact time encompasses a range of face-to-face scheduled 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. On the Bioveterinary Science programme, teaching is a mix of scheduled and independent learning. Throughout their studies, students are encouraged to engage with volunteering opportunities to develop their practice and subject knowledge. Students will develop an ethos for ethical, welfare-centred practice, with a strong focus on the improvement and refinement in the areas of animal health and disease.

Teaching will incorporate access to various resources onsite at the institution, including the animal collection, farm, equine centre and the wider estate. During their research, students will be fully supported by academic staff, animal health and disease experts, laboratory staff and industry mentors. A range of equipment is available for students to develop their vocational skills in a safe teaching environment. This equipment is updated on a regular basis to reflect current practice in industry, and the needs of research activities. Classrooms are situated throughout the University, which allows for a seamless transfer between theory and practical activities. The teaching team have a high degree of industry-relevant experience that covers all aspects of the programme, and are actively engaged in research and knowledge exchange activities.

Students have access to University learning resources to support their studies. Students can access a wide range of textbooks and journals alongside ICT facilities. There are dedicated areas for individual study, group study and a higher education flexible study

zone. These facilities are available to students to support their studies. Students with specific learning requirements will be supported through the Achievement and Success Centre and Disability Services, which work with the individual student to facilitate them accessing support through government schemes, provides them with study advice to maximise their chances of success and where necessary guides them through applying for alternative means of assessment.

Careers: To support students' career preparations, personnel from the Innovation, Careers and Enterprise team will provide students with opportunities to map progress towards chosen career paths and develop effective CVs or interview techniques. Industry professionals will also visit the institution on an annual basis, as part of an Animal Careers Insight day, to support students to develop their employability prospects and engage directly with employers. A range of online resources linked to employability will also be signposted to students via the programme's Moodle page, Innovation, Careers, and Enterprise team, and academic tutors. Tutors will typically offer subject specific careers advice through module sessions or within individual tutorials.

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

Professional Accrediting Body documents to which this programme is mapped and or aligned: none

Assessment Map

		Type of Assessment*							
		Coursework	Report	Portfolio	Written Examination	Written Test	Practical Skills Examination	Practical Skills Assessment	Oral Assessment
Core Modules Stage 0	Academic Literacy for University Studies							A (100) Graduate Skills Logbook	
	Professional Development in Practice			A (100) Industry Experience Portfolio					
	Exploring Current Concepts	A1 (20) Project Report 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	
Core Modules Stage 1	Anatomy and Physiology							A (100) Practical Skills Logbook	
	Introduction to Biochemistry				A (100) Written Examination				

	Animal Health and Disease								A (100) Group Oral Assessment, individually marked
	Animal Genetics and Breeding					A (100) Test Series			
	Principles of Animal Welfare and Behaviour	A (100) Coursework							
	Professional and Academic Skills in Animal Biology							A (100) Practical Skills Logbook	
	Animals in Society	B (50) Coursework							A (50) Oral Presentation
Core Modules Stage 2	Animal Disease and Parasitology	B (40) Coursework			A (60) Written Examination				
	Pathology						A (100) Practical Examination		
	Research Methods for Agricultural and Animal Scientists	A (50) Coursework				B (50) Test Series			
	Animal Microbiology								A (100) Poster Defence
	Animal Structure and Motion				A (100) Open-Material Written Examination				
	Principles of Animal Nutrition		A (100) Report						
Optional Modules Stage 2	Animal Production		A (100) Report						
	Biochemistry and Toxicology			A (100) Coursework Portfolio					

	Professional Experience in the Animal Sector 1			A (100) Industry Experience Portfolio					
Optional Year	Integrated Placement Year			A (100) Industry Experience Portfolio					
Core Modules Stage 3	Animal and Agriculture Dissertation		A1 (90) Project Report					A2 (10) Practical Skills Assessment	
	Immunology and Animal Disease	B (50) Essay			A (50) Written Examination				
	Pharmacology								A (100) Poster Defence
	Epidemiology		A (100) Case Study Report						
Optional Modules Stage 3	Advanced Animal Microbiology		A (100) Report						
	Current Issues in Livestock Science						A (100) Oral Examination		



*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).

Approved Programme Amendment Log

Primary Programme Title:	BSc (Hons) Bioveterinary Science
Programme Code:	BSHABVSX
Initial Approval Date:	01 September 2017

Changes:

Current version number: 9.0	
Outline Change Details: Parts 3 and 5 updated to reflect changes to for 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.	
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: To ensure accuracy following review of Level 3 modules.	
Change requested by: Lucy Ractliffe 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 	
Signature:	Date: 15/11/2023
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: 29/11/2023
Approval Committee and Date:	CVC Chair's action 2024 01 10
Change approved with effect from:	01 September 2024
Resulting new version number:	9.0 (2024 intake onwards)

Current version number: 7.0	
Outline Change Details: Parts 3, 4 and 5: programme of study updated: Animal Nutrition module moved from Level 4 to Level 5 Animals in Society added to Level 4 to replace Animal nutrition.	

Level 5 modules Animal Microbiology, Animal Structure and Motion moved from optional modules to core modules. Optional module reduced to 15 credits from a choice of two, and so Management of Domestic Animals and Animal Therapy 1 removed from the programme. Biochemistry and Toxicology added as an optional module.

Level 6 Module Epidemiology moved from optional modules to core modules. Optional module choice reduced to 15 credits and a choice from two and so Animal Therapy 2 and Developments in Animal Science removed from the programme.

Part 3: Stage 1 transition module HANXK7-15-4 Introduction to Animal Behaviour removed, as no longer needed.

Part 5 Assessment map updated to reflect module changes.

Level 4 Animal Health and Disease changed from Test and Group Oral Assessment to a single point of assessment – Group Oral Assessment, individually marked; Animal Genetics and Breeding changed from Group Poster Coursework and Test to a single point of assessment – Test Series; Principles of Animal Behaviour and Welfare changed from Written Examination and Coursework to a single point of assessment – Coursework.

Level 5: Pathology changed from Written Examination and Practical Examination to a single point of assessment – Practical Examination.

Level 6 core modules: Epidemiology changed from Written Examination and Case Study Report to a single point of assessment – Case Study Report; Pharmacology changed from Written Examination and Poster Defence to a single point of assessment - Poster Defence; Immunology and Animal Disease assessment weighting changed from 60:40 to 50/50. Level 6 optional module Advanced Animal Microbiology changed from Written Examination and Project Report to a single point of assessment – Project Report.

Part 5: Learning, Teaching and Assessment - mention of a minimum of 15 hours per week of contact hours removed.

Information for the Level 6 entry course route removed throughout – this is now recorded on a separate programme specification.

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:

To future-proof the programme and to allow separation from the Applied Animal Science with Therapy programme through the removal of Animal Therapy 1 and Animal Therapy 2 modules to give each programme a unique identity. There has also been a reduction in optional module choices by making some module core.

To reduce programme assessment load.

In line with current institutional approach, which has removed the requirement for all level 3 and level 4 learners to be timetabled for at least 15 hours a week on average across teaching weeks, scheduled learning and independent study hours have been amended to improve the effectiveness of student timetables, encourage student engagement and ensure consistency of experience across the curriculum.

Change requested by: Lisa Williams

- 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: 16/06/23

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: 20/06/2023

Approval Committee and Date:

CVC Deputy Chair's action (LD) 2023 10 25

Change approved with effect from:	01 September 2024
Resulting new version number:	8.0 (2024 intake onwards)

23/05/2023: correction of typographical error in Level 6 entry programme structure – missing ‘H’ added to module code for Immunology and Animal Disease.



Current version number: 6.0	
Outline Change Details: Parts 3, 4 and 5: new module HANVMJ-15-4 Professional and Academic Skills in Animal Biology replaces Fundamental Skills for the Animal Scientist. Stage 1 / Level 4 core module HANXNY-15-4 Biochemistry module title updated to include ‘Introduction to’. Assessment changed from Fixed-Time Tests and Coursework Portfolio to Test. HANVQ3-30-5 Animal Disease and Parasitology replaces HANXSN-30-5 Applied Animal Health and Disease as Stage 2 / Level 2 core module. HANVMV-15-5 v1_0 - Professional Experience in the Animal Sector 1 added as Stage 2 / Level 5 optional module. HANRX-15-5 Independent Report, HANXRR-45-5 International Academic Study Extended Project, HANXRP-15-5 International Academic Study Portfolio and HANXRQ-30-5 International Academic Study Project removed as Stage 2 / Level 5 optional modules. HANVQF-30-6 Immunology and Animal Disease replaces HANV3J-30-6 Animal Disease as Stage 3 / Level 6 core module. HAGVR4-30-6 Developments in Livestock Science replaces HAGV7J-15-6 Developments in Livestock Production as Stage 3 / Level 6 optional module. Part 5: Assessment map updated to reflect module amendments - Stage 1 / Level 4 core modules Animal Genetics Component A changed from Group Oral Presentation with Questions to Group Poster Coursework, Component B changed from In-Class Test to Test. Weighting changed from 75:25 to 50:50; Anatomy and Physiology changed from Test Series and Report to Practical Skills Logbook; 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. Stage 2 / Level 5 optional modules Animal Production Component A changed from Written Examination to Report, Component B removed; Animal Microbiology changed from Test, Written Examination and Poster Report to Poster Defence. Level 6 entry module Investigative Skills for the Successful Undergraduate changed from In-Class Test to Test.	
Material Alteration: Yes and is accompanied by the relevant course information document.	
Rationale: A general Professional and Academic Skills module has replaced all ‘Fundamental Skills modules in L4 Animal programmes. The new level 5 industry experience module has been added to all Animal programmes. We have also removed Independent Report from all Animal programmes as of 23 entry.	
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: 21/11/22
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: 10/11/22
Approval Committee and Date:	CVC 2023 03 17
Change approved with effect from:	01 September 2023
Resulting new version number:	7.0 (2023 intake onwards)

23/09/2022: Part 3 Programme Structure– Stage 0 (Foundation year) transition modules added - HANV8G-15-3 Foundation Animal Studies and HANV8A-30-3 Foundation Skills Development - as previously omitted in error.

Approved by CSP Chair's action 2022 09 23

15/09/2022 - Part 3: HANXK9-15-4 Introduction to Animal Welfare and HANXK7-15-4 Introduction to Animal Behaviour added as transition modules in Stage 1, to accommodate continuing students who started on older curriculum. This change is approved with effect from 01 September 2022.

Approved by CSP Chair's Action 2022 09 15

Current version number: 5.0	
Outline Change Details: Transfer onto the new template, as a result of the curriculum refresh. Parts 3, 4 and 5: 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. The optional Level 6 module, HANV3M-15-6 Undergraduate Independent Study, has been removed due to overlap with similar modules on the programme. 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 5 core module Pathology assessment weightings changed from 75:25 to 65:35; ; Level 5 optional module Management of Domestic Animals Component A changed from practical skills assessment to written exam; Level 6 core module Pharmacology weightings changed from 80:20 to 50:50; 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: Programme documentation updated in line with the curriculum refresh project. This ensures that the skills developed by students during the programme and the wider student experience is more transparent and clearly highlighted. The new departmental specific modules mentioned above will support on-going student growth and provide an enhanced student experience through delivery of subject specific content.	
Change requested by: Aisling Carroll <input checked="" type="checkbox"/> I can confirm that student representatives have been consulted about this change <input checked="" type="checkbox"/> I can confirm that colleagues impacted by this change have been consulted <input checked="" type="checkbox"/> I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report	
Signature: 	Date: 05/11/21
Name of Head of Department: Wanda McCormick <input checked="" type="checkbox"/> 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	
Signature: 	Date: 24/01/2022
Approval Committee and Date:	Refresh Approval Panel action 2022 03 21
Change approved with effect from:	01 September 2022
Resulting new version number:	6.0 (2020 intake onwards)

Current version number: 4.1	
Outline Change Details: Part 3: Addition of Level 6 entry route.	

Part 1: Updating the interim awards to reflect the academic regulations.

Part 3: Changing Pharmacology from an optional Level 6 module to a core module at Level 6. Adding direct entry route for level 6 with necessary use of Investigative Skills and Applied Research Project instead of standard dissertation module.

Part 5: Updating assessment descriptors to reflect introduced standardised terminology.

Material Alteration: No (course information sheet not required for Level 6 entry route)

Rationale:

A direct entry route for level 6 has been added to address growing interest for direct entry from College graduates from North America.


Pharmacology as a current optional module has continually been of significant interest to the majority of Bioveterinary Science students due to its relevance to veterinary medicine. Enrolment data is as follows:
18/19 – out of a cohort of 16, 14 biovet students took Pharmacology (87.5%)
19/20 – out of a cohort of 26, 19 biovet students took Pharmacology (73%)
20/21 – out of a cohort of 23, 18 biovet students took Pharmacology (78%)

It would complement other core modules such as Animal Disease and is an important and necessary topic for Bioveterinary Science students to cover. Pharmacology is a compulsory module in other Bioveterinary Science BSc (Hons) degrees at the University of Chester, the Royal Veterinary College London, Aberystwyth University and Harper Adams University.

Finally it is a core sustainability topic in veterinary medicine and would also ensure the viability of this essential topic area as bioveterinary science students are currently the main programme taking this module.

Change requested by: Aisling Carroll

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



Signature:

Date: 05/11/21

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: 10/11/2021

Approval Committee and Date:

CVC Chair's action 2021 12 06

Change approved with effect from:

01 September 2022

Resulting new version number:

5.0

Current version number: 4.0

Outline Change Details:

Parts 3, 4 and 6: Developments in Livestock Production (HAGV7J-15-6) added as an optional module.



Material Alteration: No



Rationale:

Limited numbers of Bioveterinary students taking the Advanced Animal Production option module (10 in 20/21) so we have decided to substitute this option with an equivalent module in Agriculture (same level, very similar learning outcomes).

Change requested by: B Brilot

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

<input checked="" type="checkbox"/> I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report 	
Signature:	Date: 16/07/21
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: 19/07/2021
Approval Committee and Date:	CSP Chair's action 2021 07 20
Change approved with effect from:	01 September 2021
Resulting new version number:	4.1 (2021 intake onwards)

Current version number: 3.3	
Outline Change Details: 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. Parts 1 and 3: Foundation interim award updated to Higher Education Foundation Certificate in Academic Skills. Part 3: Part time programme map removed and the following sentence added: The part time student journey from entry through to graduation is individually negotiated with the student, based upon the student's specific requirements and will be individually negotiated and designed, with support from the programme manager. Part 6: distinctive module added – Undergraduate Dissertation.	
Material Alteration: Yes	
Rationale: Part 3 updated to reflect module changes: modules amended in response to students' request for more subject-specific content in the Foundation year second semester. Interim award - after a review of the interim award titles, it was agreed this revised title provided better clarity. Part 3 updated to reflect the current template.	
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:	Date: 06/03/21
Name of Head of Department: Dr 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: 8/3/2021
Approval Committee and Date:	CVC Chair's action 2021 04 26
Change approved with effect from:	01 September 2021
Resulting new version number:	4.0 (2021 intake onwards)

Current version number: 3.1
Outline Change Details:

Part 6: assessment for component A of module HANV8E-30-3 Foundation Biological Principles amended from practical exam to practical skills assessment.
 Part 3, 4 and 6 updated to reflect name change of the HANVK6-15-5 Year Work Placement module to Integrated Placement Year.

Interim awards corrected for part time route.

Part 2: HEAR statement – text referring to number of weeks placement removed.

Material Alteration: No

Rationale: to ensure accuracy

Change requested by: CVC

- 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

Date: 30/07/2020

Approval Committee and Date: CVC Chair's action 2020 08 13

Change approved with effect from: 1 September 2020

Resulting new version number: 3.3 (intakes 2020+)

Current version number: 3.0

Outline Change Details:

Part 3: Animal Reproductive Physiology (HANXRM-15-5) removed as a second year option module.

Change reflected in Part 4 and the Assessment Map

Subsequent to CVC 25 February 2020, the following non-material amendments were made:

(Approved by Lucy Dumbell, CSP Chair, 5 March 2020.)

Interim awards updated in Parts 1 and 3: 'Higher Education Foundation Certificate' added, and Cert, Cert HE and Dip HE changed to Animal Studies.

Assessment for Level 5 optional module Independent Report (HANXRX-15-5) changed to 100% coursework, in line with amendment to module.

Material Alteration: No

Rationale: Following a wider review of curriculum and student experience, this module will no longer be offered due to low uptake and timetabling concerns.

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:

Date: 27/01/2020

Name of Head of Department: Rob Graham

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: 3rd February 2020

Approval Committee and Date: CSP Chair's action 05 03 2020

Change approved with effect from: 01 September 2020

Resulting new version number: 3.1 (intakes 2019+)

Current version number: 2.2

Rationale:

Integrated Placement Year: Addition of an optional integrated placement year has the potential to enhance student employability via allowing a year of work in the animal industry within their degree. This is based on enquiries from potential applicants and comments from past students/graduates who have addressed interest in such routes. This change has also been discussed with the student representatives and the proposal was well received.

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

Outline Change Details:

Integrated Placement Year: An optional integrated placement year will be added. This would necessitate amendment of the course information sheet, and of the programme specification (e.g. 'Front page- mode of study' and 'Award titles', 'HEAR', 'Programme Structure- and Target award'; 'Learning Outcomes', 'Distinctive features', 'Assessment map') via addition of the Year Work Placement module (HANVK6-15-5) onto the map and mention of integrated placement year option throughout.

Change requested by:	Dr Alison Wills
CVC approval date:	13 February 2019
Change approved with effect from:	01 September 2019
New version number:	3.0

Current version number: 1.2

Rationale: 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

Material Alteration: Yes and Course Information Sheet amended appropriately: Not required

Outline Change Details: 1. Part 1: Basic Data requires the Awarding Body to be amended from Hartpury College to Hartpury University.

Change requested by:	Academic Registrar
CVC approval date:	31 August 2018
Change approved with effect from:	01 September 2018
New version number:	2.2

Version 1.2 (2019 intake)

Outline Change Details:

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

Rationale: To improve assessment balance and student experience.

Change requested by:	Rachel Collins
CVC approval date:	01 March 2018
Change approved with effect from:	01 September 2019

Version 1.1 (2018 intake)

Rationale: Over the past few years, a number of BSc (Hons) Bioveterinary Science students have conducted biomechanics based dissertation projects and had they been offered a module related to this topic, this would have supported them in the completion of their research and as such improved the programme experience. Biomechanics is a topic that interests students on this programme; therefore, it seems sensible to offer it to them as a level two module option. A number of students have expressed interest in the topic. Some students have also cited a lack of module choices at level two, so this would add to the variety of modules available without compromising individuality and identify of the programme.

Material Alteration: No and Course Information Sheet amended appropriately: No

Outline Change Details: Adding the module Animal Structure and Motion to the BSc (Hons) Bioveterinary Science programme as optional module.

Change requested by:	Alison Wills
CVC approval date:	01 March 2018
Change approved with effect from:	01 September 2018
New version number:	1.1