

University of Plymouth
Academic Partnerships
CORNWALL COLLEGE
BICTON COLLEGE

Programme Specification

FdSc Animal Health & Management

Academic Year 2022-2023



If you require any part of this Handbook in larger print, or an alternative format, please contact:

HE Operations

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Please note:

All the information in this Handbook is correct at the time of printing.

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PROGRAMME SPECIFICATION

Programme Title: FdSc Animal Health and Management

Internal Programme Code: Bicton - FT 5178, Duchy - FT 4551 PT 4887

Partner Delivering Institution: Bicton College & Duchy Stoke Climsland

Start Date: September 2022

First Award Date: July 2024 Full Time, July 2025 Part Time

Date(s) of Revision(s) to this Document: October 2018/ 21st August 2019/ 6th Aug 2021/ 22nd November 2021/28 March 2022

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PS1. Programme Details

Awarding Institution:	University of Plymouth
Partner Institution and delivery site (s):	Duchy College Stoke Climsland & Bickton
Accrediting Body:	N/A
Language of Study:	English
Mode of Study:	Full Time over 2 Years & Part Time over 3 Years
Final Award:	FdSc
Intermediate Award:	CertHE
Programme Title:	Animal Health and Management
UCAS Code:	D320
HECOS Code:	100936, 100974
Benchmarks:	Framework for Higher Education Qualifications (FHEQ), and for Foundation Degrees the Foundation Degree Qualification Benchmark (FDQB). Foundation Degree Qualification Benchmark Informed by Subject benchmark statements in Biosciences (2019) and Agriculture, horticulture, forestry, food and consumer science (2019).
Date of Programme Approval:	April 2013

PS2. Brief Description of the Programme

This programme has been specifically designed for students who wish to gain a sound understanding of issues surrounding animal health, including diagnosis of disease, causes of ill health and modern advances in treatment, and the management of a wide variety of species. Making use of our excellent practical facilities, building on links with the Rural Business School, Dartmoor Zoological Park and more than 40 Veterinary practices across Cornwall and Devon, we can ensure that you will have excellent access to hands-on experience and the benefit of up-to-date Veterinary knowledge.

Aspects of animal health and management are studied through a range of inter-related modules, giving you a solid grounding in this specialist area. During Year 1 you will study: Introduction to Animal Health, Functional Anatomy, Practical Animal Health and Management, Animal Behaviour, the Animal Health Industry. During Year 2 you will look at Contemporary Issues in Animal Health, Care and Rehabilitation, Pharmacy and Diagnostics, Applied Animal Nutrition, Animal Health and Disease and Animal Health Planning. Study tours in Year 1 and Year 2 will allow you to further your knowledge and experiences both nationally and internationally.

This Foundation Degree programme can be studied via both full time and part-time routes. Either route will give you sound opportunities to develop your knowledge of health and husbandry and work with a wide range of species within our state-of-the-art Animal Husbandry School at Bickton. You will also have access to our Equine Yard Home Farm facilities. Links with Dartmoor Zoological Park have developed in the past year and there are sound opportunities to enable Foundation Degree students

to broaden their experiences to a wider range of exotic species, including big cats, wolves, monkeys, capybara, reindeer, tapirs and wallabies.

Assessment will be via a range of written assignments and practical assessments, reports, in-class tests, presentations and group discussions. You will compile a portfolio of skills developed during practical sessions.

PS3. Details of Accreditation by a Professional/Statutory Body (If Appropriate)

N/A

PS4. Exceptions to Plymouth University Regulations

(Note: Plymouth University's Academic Regulations are available internally on the intranet:

<https://www.plymouth.ac.uk/student-life/your-studies/essential-information/regulations>

None

PS5. Programme Aims

This programme will deliver:

- A1:** Have the knowledge and critical understanding required to relate to the environmental, social and political issues which affect the industry as well as an appreciation of the economic realities involved in animal health and management;
- A2:** Be able to use a range of established techniques to initiate and undertake critical analysis of information, and to propose solutions to problems arising from that analysis;
- A3:** Be able to communicate information, arguments and analysis effectively, in a variety of forms, to specialist and non-specialist audiences and deploy key techniques of the discipline effectively.
- A4:** Be able to undertake further training, develop existing skills, and acquire new competencies that will enable them to assume significant responsibility within organisations.
- A5:** Have the opportunity to develop and foster close ties with industrial practitioners, giving graduates a realistic overview of employment and providing them with specific practical competencies and transferable skills necessary for career development, through work-related experiences, e.g. work shadowing, work placement and employment opportunities.
- A6:** Develop the capacity for independent learning and critical thinking by stimulating interest in their chosen discipline, thereby providing the foundation for life-long learning.
- A7:** Foster attitudes which are valued by society in general and are required for careers in any field of study – i.e., enthusiasm, self-reliance, independence and commercial awareness.

PS6. Programme Intended Learning Outcomes (ILO)

By the end of this programme the student will be able to:

- ILO1: Knowledge and understanding – Demonstrate a development of specialist knowledge of the health of animals and its promotion and discuss current practice and research within the field of animal health and management
- ILO2: Cognitive and intellectual skills – Demonstrate learning, organisational and planning skills and qualities important to personal and career life.
- ILO3: Transferable skills – Demonstrate an ability to deal with people in order to work effectively and constructively with other employees within the animal industry.
- Be able to communicate information and analysis effectively, in a variety of forms, to specialist and non- specialist audiences.
- ILO4: Employment – Demonstrate the development of competence in skills to industry standards, encourage adaptability and an ability to identify the need to develop new skills, where necessary, to assume significant responsibility within organisations.
- Make an immediate contribution in employment or progress successfully to further studies, demonstrating the skills, qualities and attitudes essential for success in academic and industrial life, with an emphasis on lifelong learning.
- ILO5: Practical – Perceive their field of study in a broader perspective and demonstrate an ability to transfer the skills and knowledge learned at College to different areas of the working environment within the animal industry.

PS7. Distinctive Features

- Has been developed specifically to produce graduates required by the changing animal management and health Industry.
- Allows students to develop required levels of autonomy and to pursue their own areas of interest throughout the contextualisation of modules on their programme and particularly through their Research Project
- Encourages students to tailor the programme to their own interests and desired career path.
- Is taught by staff involved in the development of Animal Management as an academic discipline, who have established core areas of research activity and are nationally recognised within the subject specific community
- Promotes student input into the future direction and application of Animal management.

The programme benefits from:

- Well-established connections with local and national animal organisations and practitioners, providing excellent opportunities for students to develop their knowledge, skills and links needed for employment in the field.
- Staff who are experienced and active and have established track records within their particular subject area.
- Strong pastoral support and small group teaching delivered by readily accessible academic and support staff which is important for all students but particularly for students progressing from FdSc programmes who are accustomed to being supported in this way.
- A comprehensive and expanding bank of related resources. Duchy College has a wide range of HE appropriate teaching areas from large tiered lecture theatres to small tutorial and seminar rooms, there are also a number of ICT rooms dedicated solely to higher education students. The College is a member of the University Partner College network of the University of Plymouth. All enrolled students have full use of the extensive library resources at Plymouth; this includes complete access to a comprehensive remote access system. The Learning Centres at Duchy College Stoke Climsland, Bicton and at Rosewarne offer a wide range of animal-based texts and journals, including those which already resource related Foundation and Honours Degrees in Equine, Veterinary Nursing and Agriculture subjects.
- The College has a purpose-built Animal Management Centre dedicated to the development of students' skills in animal management, health care and breeding. The resource allows students to gain practical experience in the context of underpinning scientific knowledge.

The facilities include:

- Animal science laboratory
- Small mammals and guinea pig areas
- Dog grooming facilities
- Exotics and aquatics areas, with a large range of commonly-kept reptiles, amphibians, fish and invertebrates
- Small mammal room including rabbits and small rodents
- Waterfowl and a range of rare breed poultry
- Goats, alpaca and llama
- Primates including common marmosets and ring-tailed lemurs
- Food preparation kitchens
- Bicton Home Farm (dairy herd)
- Animal Management students also have access to Equine facilities, with stabling and indoor and outdoor schools.
- Links with Dartmoor Zoological Park have developed in the past year and there are sound opportunities to enable Foundation Degree students to broaden their experiences to a wider range of exotic species, including big cats, wolves, monkeys, capybara, reindeer, tapirs and wallabies. In addition, we have a wide range of links within industry supporting the delivery of wildlife, livestock, exotic and domestic elements.

PS8. Student Numbers

The following provides information that should be considered nominal, and therefore not absolutely rigid, but is of value to guide assurance of the quality of the student experience, functional issues around enabling progression opportunities to occur and staffing and resource planning:

Minimum student numbers per stage = 10

Target student numbers per stage = 12

Maximum student numbers per stage = 20

PS9. Progression Route(s)

Approved “progression route(s)” are those where successful achievement in this programme enables direct alignment to join a stage of another programme. This is an approach employed primarily for Foundation Degree students to “top-up” to complete a Bachelor degree, but may be employed for other award types.

This is in part an automated admissions criterion and therefore progression may be impacted on by availability of a position on the progression award; however, progression opportunity, if not available in the first year of application, is guaranteed within 3 years.

Progression arrangements with institutions other than Plymouth University carry an increased element of risk. It is necessary for the delivering partner institution to obtain formal agreement from that institution to guarantee progression for existing students on the programme. For progression to Plymouth University, should there be the need to withdraw the progression route programme(s) then either this will be delayed to provide progression or appropriate solutions will be found. This arrangement is guaranteed for existing students that complete their programme of study with no suspensions or repeat years and who wish to progress immediately to the University.

Students who successfully complete the FdSc Animal Health and Management programme, may progress to:

- BSc (Hons) Applied Animal Health (Top-Up) at Duchy College, Stoke Climsland
- BSc (Hons) Applied Zoology (Top-Up) at Newquay
- BSc (Hons) Biological Sciences (Final Yr. Level 6) at University of Plymouth
- BSc (Hons) Animal Behaviour & Welfare (Level 5) at University of Plymouth
- BSc (Hons) Biosciences (Final Yr. Level 6) University of Plymouth

The contribution of marks from prior levels of study to the progression award is governed by University regulations.

PS10. Admissions Criteria

Entry Criteria (Qualifications)	Details
Functional Skills	L2 Literacy and L2 Numeracy
GCSE (or equivalent)	Minimum of Grade C/grade 4 in Maths, English Language and Science (if science-based programme)
AS/A Levels	HNC/HND/Fd - 48 UCAS tariff points to include at least 32 points from A2 level in appropriate subjects
BTEC National Diploma/Extended Diploma	HNC/HND/Fd – 48 UCAS tariff points – PPP grades in an appropriate subject
BTEC L3 Diploma	HNC/HND/Fd – 48 UCAS tariff points –
BTEC 90 Credit Diploma/Subsidiary Diploma	HNC/HND/Fd – 48 UCAS tariff points – in an appropriate subject and considered only with combination of other relevant level 3 qualifications
City & Guilds (land based) L3 Diploma	*L3 Diploma - HNC/HND/Fd – 48 UCAS tariff points – M grades in an appropriate subject *Usually accepted in combination with other relevant L3 qualifications
City & Guilds (land based) Extended Diploma	HNC/HND/Fd – 48 UCAS tariff points - P grades in an appropriate subject
City & Guilds (land based) Advanced Technical Extended Diploma	HNC/HND/Fd – 48 UCAS tariff points – PPP grades in an appropriate subject
City & Guilds (land based) Subsidiary Diploma	HNC/HND/Fd – 48 UCAS tariff points – D grades in an appropriate subject
City & Guilds (land based) 90 Credit Diploma	HNC/HND/Fd – 48 UCAS tariff points – M grades in an appropriate subject
Access to HE Diploma	Successful completion of Access to HE Diploma with at least 45 credits at level 3 in an appropriate subject
International Baccalaureate	24 points
Irish/Scottish Highers	HNC/HND/Fd - 48 UCAS tariff points to include at least 32 points from Scottish Advanced Highers/Irish Highers
Other Level 3 qualifications	Will be taken into consideration and dependent upon subject area and number of units studied
Mature Applicants (over 21)	Mature applicants with relevant experience but without the stated entry qualifications will be considered individually at interview

Accreditation of Prior Learning	
Independent Safeguarding Agency (ISA)/Disclosure and Barring Service (DBS) clearance required	
Capability statement	

PS11. Academic Standards and Quality Enhancement

The Programme Leader/Manager (or the descriptor) leads the Programme Committee in the Plymouth University's annual programme monitoring process (APM), as titled at the time of approval. APM culminates in the production, maintenance and employment of a programme level Action Plan, which evidences appropriate management of the programme in terms of quality and standards. Any formally agreed changes to this process will continue to be followed by the Programme Leader/Manager (or other descriptor) and their Programme Committee.

Elements of this process include engaging with stakeholders. For this definitive document it is important to define:

Subject External Examiner(s):

An Interim visit by External Examiner (EE) (usually between January and February) will review work that has been marked, consult students and feed back to the programme manager and module leaders and course team.

Subject Assessment Panel (SAP) reviews the assessment marking and is scrutinised by the subject EE. Representatives of the team review and present their module marks for each student on the programme.

The annual Award Assessment Board (AAB) takes place with Programme Manager, the awarding body's partnership member and the External to receive the students work and confer progression or award.

Additional stakeholders specific to this programme:

Students have the opportunity to discuss the programme independently, twice a year in the Student Review. This forms part of the discussion for the annual programme monitoring in the autumn and spring of each academic year.

The Student Perception Questionnaire (SPQ) is administered during the year and feeds into the programme review.

Students Representatives attend Annual Programme Monitoring (APM) to contribute student views alongside Module Leaders, the Programme Manager and the Assistant Registrar to monitor module delivery and the course provision.

Curriculum meetings take place once a month to review progression, department provision, resources and staffing.

PS12. Programme Structure

College:	Cornwall College – Bicton & Duchy Stoke	Programme Title:	FdSc Animal Health & Management
Academic Year:	2022-2023	Mode of Attendance Course Duration:	Full Time Over 2 years
UoP Code:	5178 (Bicton) 4551 (Duchy Stoke Climsland)	Total Credits:	120 Credits at Level 4 120 Credits at Level 5

FHEQ level 4: FdSc Animal Health and Management (Full Time: 5178 & 4551)				
F/T Route Year	When in Year? (I.e. Autumn, Spring etc.)	Core or Optional Module	Credits	Module
1	All Year	Core	20	CORC1013 Personal and Employability Skills Development
1	All Year	Core	10	CORD135 Research Skills
1	All Year	Core	20	CORD181 Practical Animal Health and Management
1	All Year	Core	20	CORD182 Animal Behaviour
1	All Year	Core	20	CORD184 Animal Health Industry
1	All Year	Core	10	CORD1044 Introduction to Animal Health
1	All Year	Core	20	CORD1045 Principles of Animal Science
FHEQ level 5: FdSc Animal Health and Management (Full Time: 5178 & 4551)				
2	All Year	Core	20	CORD2030 Contemporary Issues in Animal Health and Science
2	All Year	Core	20	CORD2033 Applied Animal Nutrition
2	All Year	Core	20	CORD2034 Animal Health and Disease
2	All Year	Core	20	CORD2035 Animal Health Planning
2	All Year	Core	20	CORD2078 Research Project
Student will also choose one of the following OPTIONAL Modules				
2	All Year	Optional	20	CORD2031 Pharmacy and Diagnostics
2	All Year	Optional	20	CORD2032 Welfare, Care and Rehabilitation

College:	Cornwall College – Duchy Stoke	Programme Title:	FdSc Animal Health & Management
Academic Year:	2022-2023	Mode of Attendance Course Duration:	Part Time Over 3 years
Plymouth Programme Code:	4887	Total Credits:	120 at Level 4 120 at Level 5

FHEQ level 4: FdSc Animal Health and Management (Year 1 Stage 1) (Part Time: 4887)				
F/T Route Year	When in Year? (i.e. Autumn, Spring etc.)	Core or Optional Module	Credits	Module
1	All Year	Core	20	CORC1013 Personal and Employability Skills Development
1	All Year	Core	20	CORD181 Practical Animal Health and Management
1	All Year	Core	20	CORD182 Animal Behaviour
1	All Year	Core	20	CORD1045 Principles of Animal Science
FHEQ level 4 & 5: FdSc Animal Health and Management (Year 2 Stage 1 & 2) (Part Time: 4887)				
2	All Year	Core	10	CORD135 Research Skills
2	All Year	Core	20	CORD184 Animal Health Industry
2	All Year	Core	10	CORD1044 Introduction to Animal Health
2	All Year	Core	20	CORD2033 Applied Animal Nutrition
2	All Year	Core	20	CORD2034 Animal Health and Disease
FHEQ level 5: FdSc Animal Health and Management (Year 3 Stage 2) (Part Time: 4887)				
3	All Year	Core	20	CORD2030 Contemporary Issues in Animal Health and Science
3	All Year	Core	20	CORD2035 Animal Health Planning
3	All Year	Core	20	CORD2078 Research Project
Student will also choose one of the following OPTIONAL Modules				
3	All Year	Optional	20	CORD2031 Pharmacy and Diagnostics
3	All Year	Optional	20	CORD2032 Welfare, Care and Rehabilitation

PS13. Explanation and Mapping of Learning Outcomes, Teaching & Learning and Assessment

Developing graduate attributed and skills, at any level of HE, is dependent on the clarity of strategies and methods for identifying the attributes and skills relevant to the programme and where and how these are operationalised. The interrelated factors of Teaching, Learning and Assessment and how these are inclusive in nature, are fundamentally significant to these strategies and methods, as are where and how these are specifically distributed within the programme.

Ordered by graduate attributes and skills, the following table provides a map of the above, plus an exposition to describe and explain the ideas and strategy of each. Therefore, subsequent to the initial completion for approval, maintenance of this table as and when programme structure changes occur is also important:

FHEQ level: FdSc Animal Health & Management Levels 4 & 5					
Definitions of Graduate Attributes and Skills Relevant to this Programme	Teaching and Learning Strategy / Methods	Prog Aims	Prog intended Learning Outcomes	Range of Assessments	Related <u>Core</u> Modules
<p>Knowledge / Understanding:</p> <p>Biosciences (2007); agriculture, horticulture, forestry, food and consumer sciences (2009)</p> <p>By the end of this level of this programme the students will be able to demonstrate for a threshold pass:</p> <ul style="list-style-type: none"> The importance of the recall of knowledge based on the directly taught programme with some evidence of wider enquiry (Ag+) Subject-specific theories, paradigms, concepts and principles as well as some understanding of more specialised areas (Ag+) The importance of conducting a substantial independent piece of work (e.g. a research project) (Bio) 	<p>Primary:</p> <ul style="list-style-type: none"> Lectures and tutorials Directed independent study Learning from work experience <p>Secondary/Supplementary:</p> <ul style="list-style-type: none"> Case studies Problem-solving exercises 	<p>1,4,5</p> <p>1,5</p>	<p>1,2.</p> <p>1,5</p>	<p>Key knowledge and understanding are assessed via a combination of multiple-choice tests, examinations, essays, presentations and seminar performances.</p>	<p>CORD180, CORD181, CORD182, CORD183, CORD184.</p> <p>CORD2078, CORD2034, CORD2035, CORD2032</p>

FHEQ level: FdSc Animal Health & Management Levels 4 & 5					
Definitions of Graduate Attributes and Skills Relevant to this Programme	Teaching and Learning Strategy / Methods	Prog Aims	Prog intended Learning Outcomes	Range of Assessments	Related Core Modules
<ul style="list-style-type: none"> The construction of reasoned arguments to support their position on the ethical and social impact of advances in the biosciences in general and animal science (Bio) 					
<p>An explanation for embedding Knowledge and Understanding through Teaching & Learning and Assessment at this level of the programme: Students will have demonstrated an ability to apply knowledge and understanding skills developed within level 4 & 5 of the course to a wide variety of industry related scenarios and will be required to complete a range of assessments in order to demonstrate these skills.</p>					
<p>Cognitive and Intellectual Skills: Biosciences (2007); agriculture, horticulture, forestry, food and consumer sciences (2009)</p> <p>By the end of this level of this programme the students will be able to demonstrate for a threshold pass:</p> <ul style="list-style-type: none"> Access and evaluate relevant information from a variety of sources and to communicate the principles of Animal Health and management both orally and in writing (e.g. essays, experimental reports) in a way that is well organised, topical and recognises the limits of current hypotheses (Bio) Critically appraise academic literature and other sources of information (Ag+) Demonstrate ability to define problems, devise and evaluate solutions in both routine and unfamiliar contexts (Ag+) Demonstrate the ability to consider issues from a range of multi-disciplinary perspectives and to draw on appropriate concepts and values in arriving at a critical assessment (Ag+) 	<p>Primary:</p> <ul style="list-style-type: none"> Class exercises Tutorial/seminar discussions Feedback via coursework assessment process (essays etc.) <p>Secondary/Supplementary: For example:</p> <ul style="list-style-type: none"> Policy and practice analysis in surgeries Utilisation of appropriate technology and subsequent application of results 	<p>1,2,3,5</p> <p>2,3,5</p>	<p>1,2,5,7</p> <p>1,2,6,7</p>	<ul style="list-style-type: none"> Assessed discussions Essays/projects/dissertations Examinations/tests Coursework/group work on practical application questions 	<p>CORD135, CORD181, CORD184, CORC1013</p> <p>CORD2078, CORD2030, CORD2035</p>

FHEQ level: FdSc Animal Health & Management Levels 4 & 5					
Definitions of Graduate Attributes and Skills Relevant to this Programme	Teaching and Learning Strategy / Methods	Prog Aims	Prog intended Learning Outcomes	Range of Assessments	Related Core Modules
<ul style="list-style-type: none"> Define a suitable and effective sampling procedure and analyse, synthesise, summarise and evaluate information (Ag+) Apply relevant advanced numerical skills (including statistical analysis, where appropriate) to biological and sociological data (Bio) Integrate lines of evidence from a range of sources to support findings and hypotheses; Understand risk; and health and safety implications (Ag+) 					
<p>An explanation for embedding Cognitive and Intellectual Skills through Teaching & Learning and Assessment at this level of the programme: Students will have demonstrated an ability to apply cognitive and intellectual skills developed within level 4 & 5 of this programme to a wide variety of industry</p>					
<p>Key Transferable Skills:</p> <p>Biosciences (2007); agriculture, horticulture, forestry, food and consumer sciences (2009)</p> <p>By the end of this level of this programme the students will be able to demonstrate for a threshold pass:</p> <ul style="list-style-type: none"> Demonstrate as an ability to manage their time effectively, solve problems and learn autonomously (Bio) Recognise and use a range of information sources effectively (Ag+) Critically assess the quality of evidence (Bio) Apply well developed strategies for updating, maintaining and enhancing their knowledge (Bio) 	<p>Primary:</p> <ul style="list-style-type: none"> Tutorial guidance regarding PESD and industry specific Continued Professional Development Library and other research exercises Group work awareness and practice/collaboration 	<p>2,3,6,7</p> <p>2,3,4,6</p>	<p>1,2,3,4,5.</p> <p>4,6,7</p>	<ul style="list-style-type: none"> Coursework of all types Examination preparation and completion Assessed discussions Group work assessments 	<p>CORD135, CORD181, CORC1013</p> <p>CORD2078, CORD2031, CORD2030, CORD2033</p>

FHEQ level: FdSc Animal Health & Management Levels 4 & 5					
Definitions of Graduate Attributes and Skills Relevant to this Programme	Teaching and Learning Strategy / Methods	Prog Aims	Prog intended Learning Outcomes	Range of Assessments	Related <u>Core</u> Modules
<ul style="list-style-type: none"> Recognise and be able to comment on the moral and ethical issues associated with the subject (Ag+) Contribute coherently to group discussions and listen attentively to others (Ag+) Communicate effectively to audiences in written, graphical and verbal forms (Ag+) Use computer packages selectively handle electronic information and to convey information effectively (Ag+) Understand and apply professional codes of conduct (Ag+) Accept responsibility for one's actions (Ag+) Identify and work towards targets for personal, career and academic development (Ag+) Take a responsible, adaptable and flexible approach to study and work (Ag+) Develop the skills necessary for self-managed and lifelong learning (e.g. independent study, time management, organisational skills) (Ag+) Analyse personal strengths and weaknesses (Ag+) 	<ul style="list-style-type: none"> Resource-based learning and assessment <p>Secondary/Supplementary: Class and seminar interactions and feedback</p>				
<p>An explanation for embedding Key Transferable Skills through Teaching & Learning and Assessment at this level of the programme: The Animal Health Management discipline depends on a blend of academic and practical skills, both equally important. It is crucial that students of Animal Health Management commence the development of key transferable skills as soon as possible within the programme of study.</p>					
<p>Employment Related Skills:</p> <p>Biosciences (2007); Agriculture, horticulture, forestry, food and consumer sciences (2009)</p>					

FHEQ level: FdSc Animal Health & Management Levels 4 & 5					
Definitions of Graduate Attributes and Skills Relevant to this Programme	Teaching and Learning Strategy / Methods	Prog Aims	Prog intended Learning Outcomes	Range of Assessments	Related Core Modules
<p>By the end of this level of this programme the students will be able to demonstrate for a threshold pass:</p> <ul style="list-style-type: none"> Convey the multi factorial nature of Animal health and management to a wide range of Animal industry audience Demonstrate interpersonal and team work skills (Ag+) Organise a team effectively and contribute effectively to team work through the identification of individual and collective goals (Ag+) Recognise and respect the views of others and reflect on performance as an individual and team member (Ag+) 	<p>Primary:</p> <ul style="list-style-type: none"> Project oral presentation coursework reports Competency based skill training <p>Secondary/Supplementary:</p> <ul style="list-style-type: none"> Discussions with visiting speakers and non-academic personnel Competency based skill assessment 	<p>3,4,5,7</p> <p>4,5,7</p>	<p>3,6,7</p> <p>5,6,7</p>	<ul style="list-style-type: none"> Project work Ability to display competence 	<p>CORD181, CORD180, CORD184, CORD135, CORD183, CORC1013</p> <p>CORD2078, CORD2030,</p>
<p>An explanation for embedding Employment Related Skills through Teaching & Learning and Assessment at this level of the programme: FdSc Animal Health Management graduates will be expected to conduct themselves in an appropriate manner within the demanding Animal Health Management industry. The development of employment related skills commences at the outset of the programme.</p>					
<p>Practical Skills:</p> <p>Biosciences (2007); agriculture, horticulture, forestry, food and consumer sciences (2009)</p> <p>By the end of this level of this programme the students will be able to demonstrate for a threshold pass:</p> <ul style="list-style-type: none"> Demonstrate the proficiencies needed in a broad range of appropriate practical techniques and skills relevant to Animal health. This will 	<p>Primary:</p> <ul style="list-style-type: none"> Field work Projects Designated tasks Learning from work 	<p>1,2,3,7</p>	<p>3,4,6,7</p>	<ul style="list-style-type: none"> Project work Ability to display competence 	<p>CORD135, CORD180, CORD181, CORD184</p>

FHEQ level: FdSc Animal Health & Management Levels 4 & 5

Definitions of Graduate Attributes and Skills Relevant to this Programme	Teaching and Learning Strategy / Methods	Prog Aims	Prog intended Learning Outcomes	Range of Assessments	Related <u>Core</u> Modules
<p>include the ability to place the work in context and to suggest lines of further investigation (Bio)</p> <ul style="list-style-type: none"> • Plan, conduct and present an independent investigation with some reliance on guidance (Ag+) • Use appropriate data capture methods (Ag+) • Use appropriate technology to address problems efficiently (Ag+) • Select, apply and utilise a range of appropriate animal restraint equipment or training methodologies to solve problems competently and safely (Ag+) • Describe clearly and record accurately in the field and laboratory (Ag+) • Interpret practical results in a logical manner (Ag+) 	<ul style="list-style-type: none"> • Competency based skill training <p>Secondary/Supplementary:</p> <ul style="list-style-type: none"> • Lectures and tutorials • Competency based skill assessment 	1,2,3,5,7	2,3,4,6,7		CORD2078, CORD2034, CORD2035, CORD2033, CORD2032
<p>An explanation for embedding Practical Skills through Teaching & Learning and Assessment at this level of the programme: Students will have demonstrated an ability to apply fundamental industry-required practical skills in order to increase their proficiency and employability within the programme in a range of industry contexts through delivery and assessment at this level of the programme.</p>					

PS14. Work Based/ Related Learning

WBL is an essential element of Foundation Degrees and therefore needs to be detailed here. However, for all types of HE Programmes there should be an element of employability focus through, at least, Work Related Learning, and therefore the following is applicable for all:

FHEQ level: FdSc Animal Health & Management Levels 4 & 5					
WBL/WRL Activity:	Logistics	Prog Aim	Prog Intended LO	Range of Assessments	Related Core Module(s)
Professional development planning is at the core of the curriculum, as students work towards developing their individual professional identity. Complimented by seminars specific to the creative industries, that focus them on their professional identity. Building upon this knowledge in relation to practice.	Throughout the Course.	1,2,3,4,5,6,7	1,2,3,4,5	Key knowledge and understanding are assessed via a combination of: Essays/projects/dissertations Examinations/tests Coursework/group work on practical application questions Reflective assignments	All Core Modules
<p>An explanation of this map: Learners will have demonstrated an ability to discuss and apply practical skills developed within the course to a wide variety of industry representatives and will be required to complete a range of work-related skills assessments throughout the related units.</p>					

PS15. Appendix – Module Details

Module Code	Module Title	Assessment Mode	Short Module Descriptor
CORC1013	Personal and Employability Skills Development	100% (CW)	This module is designed to equip students with the necessary knowledge and skills to develop themselves in terms of their personal and employability skills.
CoRD135	Research Skills	100% (CW)	This module is designed to develop the student's knowledge of the underpinning principles of research, experimental design and data analysis.
CORD1044	Introduction to Animal Health	100% (CW)	This module will study the causes of infectious diseases and methods of disease spread, control and prevention. Students will develop an underpinning knowledge of the importance of health in animals, and the factors that contribute to health.
CORD181	Practical Animal Health & Management	80% (CW) 20% (Practical)	This module is designed to give students the knowledge of animal husbandry for a range of species and develop their practical skills. Studying various aspects of husbandry including: handling and restraint, accommodation factors, nutrition requirements and management techniques. By the end of the module students will have a broad knowledge-base that can then be developed in other modules such as Introduction to Animal Health and Animal Behaviour (Level 4) and Animal Health Planning (Level 5).
CORD182	Animal Behaviour	60% (CW) 40% (Exam)	This module is designed to give the student an understanding of animal behaviour; its causation, function, evolution and development. Students will perform practical experiments, which will provide opportunities to develop skills in the observation, recording, correct interpretation and analysis of behaviour, as well as practice in scientific hypothesis testing and report write up. The practical classes, and additional field trips, are designed to help students to contextualise classroom theory.
CORD1045	Principles of Animal Science	60% (Exam) 40% (Clinical examination)	The anatomy and physiology of a range of mammals and commonly kept non-mammalian vertebrates is vital knowledge for any animal treatment. This module examines the structure of cells, tissues and all major organ systems in detail with a focus on the maintenance of health including treatment of disease/injury.
CORD184	The Animal Health Industry	50% (CW) 50% (Practical)	This module will develop and expand the student's knowledge of the animal health industry. It will cover topics that consider the development and

			expansion of animal health both within the UK and on a wider global perspective. It will consider issues around legislation and the legal status of a variety of animals in the UK.
CORD2078	Research Project	70% (CW) 30% (Practical)	This module allows students to select a topic for examination, to undertake a review of the literature on the subject and a conduct a detailed original investigation.
CORD2030	Contemporary Issues in Animal Health in science	100% (CW) (50% AS1; 50% AS2)	This module provides the opportunity for in-depth research into contemporary issues associated with the animal management and health industry. Students will be expected to be able to transfer knowledge gained from research to appropriate aspects of the animal welfare and health industry.
CORD2031	Pharmacy and Diagnostics	50% (CW) 50% (Exam)	This module covers pharmacology enabling effective management of a veterinary pharmacy/dispensary and an understanding of the legal and practical principles of prescribing and supplying drugs. It also focuses on the principles of radiography and other diagnostic imaging modalities, laboratory diagnostic equipment, safe working practices and interpretation of test results. Students will have the opportunity to undertake the Animal Medicines Training Regulatory Authority (AMTRA) Suitably Qualified Persons (SQP) qualification, additional to taking this module.
CORD2032	Welfare, Care and Rehabilitation	40% (CW) 60% (Practical)	This module enables the student to gain a sound understanding of domestic animal and wildlife rescue, the rehabilitation process, and the legislation involved. It will also include an understanding of principles underpinning the subject of animal welfare, ethical considerations of keeping, rescuing and rehabilitating animals.
CORD2033	Applied Animal Nutrition	40% (Exam) 60% (Practical)	This module introduces the student to the physiology of the digestive system and the biochemistry of nutritionally important chemicals and their role within the body. Comparative nutritional requirements are investigated, as are the clinical aspects of nutrition relating to maintenance of animal health
CORD2034	Animal Health and Disease	50% (Exam) 50% (Coursework)	This module covers factors necessary for maintaining the wellbeing of a range of animals, both in terms of disease control and facilitation of normal behaviours. This module builds on student knowledge gained from completed Introduction to Animal Health module (Level 4) of the epidemiology, aetiology, pathogenesis, pathology, diagnostic aids and treatments for diseases affecting biological systems of a wide range of animals globally.

CORD2035	Animal Health Planning	100% (CW) (60% AS1; 40% AS2)	The module is designed to examine factors affecting animal health, with a particular emphasis on non-infectious diseases such as those caused by auto-immune conditions or dietary factors. Students will consider how conditions are diagnosed and will be introduced to veterinary pharmacology and the safe use of veterinary medicines building on knowledge attained from Introduction to Animal Health (Level 4) and Pharmacy and diagnostics (Level 5).
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