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**Plymouth University**

**Academic Partnerships**

***Duchy College***

**Stoke Climsland**

**Programme Quality**

**Handbook for**

***FdSc Animal Health and Management***

**2014 – 15**

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# Welcome and Introduction to FdSc Animal Health and Management.

Welcome to the Foundation Degree in Animal Health and Management. Duchy College is delighted that you have chosen to study with us. This programme is firmly vested in the field of animal health. The programme has been explicitly designed to provide graduates that are employment ready within the animal health industry. It is designed to enable you to seek a progressive career within the animal health sector. The programme will allow entry level to a variety of career progression paths including pharmaceutical and allied veterinary industry, animal nutrition, para-professional roles, health management and compliance agencies both statutory and charitable, as well as giving you the opportunity to progress to honours level study.

Development of the programme comes as a direct response to the industry’s need for more trained graduates; recently it has been suggested by Lantra that the animal industry will require an additional 17,000 trained graduates by 2020. The programme has been developed with direct input from relevant industrial partners, government bodies, non-governmental organisations and charities. Their input has formed an important part of the pre-validation development process. The programme will also make significant use of the large and successful regional farm livestock projects that are being delivered through Duchy Colleges, Rural Business School; South west healthy Livestock Initiative and South west healthy livestock Initiative Knowledge Exchange.

This programme has been designed to equip you with the skills and knowledge base required to work in your chosen specialism or other graduate opportunities. It is also a platform from which you can undertake additional vocational and academic qualifications.

This Programme Quality handbook contains important information including:

* The approved programme specification
* Module records

**Note:** the information in this handbook should be read in conjunction with the current edition of the College Student handbook available at (college to add link) which contains student support based information on issues such as finance and studying at HE along with the University’s Student Handbook - <https://www1.plymouth.ac.uk/studenthandbook> and your Teaching, Learning and Assessment Handbook available on your programme virtual learning environment.

# Programme Specification

On the following pages you will find the specification for your programme; this provides a detailed overview of the programme as a whole. It explains what you will learn and how you will be assessed throughout the two stages of your Foundation Degree. The Programme Learning Outcomes Map specifies the knowledge and skills you will develop at each stage of your Foundation Degree.

**Awarding Institution:** University of Plymouth

**Teaching Institution:** Duchy College

**Accrediting Body:**N/A

**Final Award:**FdSc

**Intermediate Awards:**Certificate of Higher Education (CertHE)

**Programme Title:** Animal Health and Management

**UCAS Code:** D320

**JACS Code:** D320

**Benchmarks:** Foundation Degree Qualification Benchmark

Informed by Subject benchmark statements in Biosciences (2007) and Agriculture, horticulture, forestry, food and consumer science (2009).

**Date of Approval:** A*pril 2013*

**Admissions Criteria:**

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| --- | --- |
| **Qualification(s) Required for Entry to the FdSc** | **Comments** |
| **Candidates must have at Level 2:** | |
| At Level 2 | |
| Key Skills requirement/Higher Level Diploma | Level 2 in Literacy & Numeracy / At least One Merit in appropriate subject |
| **and/or** | |
| GCSEs required at Grade C and above | Any four subjects passes including English and Maths |

**Plus at least one of the following Level 3 qualifications:**

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| A Levels required: | 120 points (combination of appropriate A-levels, Key Skills and AS Levels (Maximum of 40 points from Key Skills |
| Advanced Level Diploma | Advanced Certificate/Diploma in appropriate subject |
| BTEC National Certificate/Diploma | 120 points and award should be in an appropriate subject  D in the Award  MP in the Certificate  PPP in the Diploma |
| HNC/D | *.* |
| VDA: AGNVQ, AVCE, AVS | Advanced GNVQ/AVCE or NVQ Level 3 |
| Access to HE or Year 0 provision | Certificate in appropriate subject |
| International Baccalaureate | Considered on a case by case basis but generally a Diploma with 24 points or above. |
| Irish/Scottish Highers/Advanced Highers | 120 UCAS Points |
| Work Experience | Assessed on application |
| Other non-standard awards or experiences | Assessed on application |
| APEL/APCL possibilities **Add Academic Regs link)** | [www.plymouth.ac.uk](http://www.plymouth.ac.uk) |
| Interview/portfolio requirements | Mature students will have to demonstrate at interview the necessary motivation, potential, experience and/or knowledge.  Disabilities – the course welcomes applications from students with disabilities and is committed to its inclusive policy. In order to be more learner-centred, the college requests that all applications be considered individually and in consultation with the Programme Manager. |
| Independent Safeguarding Agency (ISA) / Criminal Record Bureau (CRB) clearance required | No |

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| **Aims of the Programme:** |
| Using as a basis a work based, work related and flexible approach, the programme develops the student's knowledge and skills designed to meet the diverse needs of the animal health specifically and the animal industry generally. The programme will combine theoretical knowledge with practical application.  Graduates will:   1. 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; 2. 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; 3. 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. 4. Be able to undertake further training, develop existing skills, and acquire new competencies that will enable them to assume significant responsibility within organisations. 5. 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. 6. Develop the capacity for independent learning and critical thinking by stimulating interest in their chosen discipline, thereby providing the foundation for life-long learning. 7. 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. |

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| **Programme Intended Learning Outcomes (LO):** |
| By the end of this programme the student will be able to:   1. 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. 2. Demonstrate learning, organisational and planning skills and qualities important to personal and career life. 3. Demonstrate an ability to deal with people in order to work effectively and constructively with other employees within the animal industry. 4. Be able to communicate information and analysis effectively, in a variety of forms, to specialist and non- specialist audiences. 5. 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. 6. 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. 7. 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 |

**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 Animal Management Centres at Duchy Stoke Climsland and Rosewarne (where a brand new state-of-the-art facility is currently underway). You will also have regular access to our Equine Yard and the Duchy College Home Farm, where there are plans for a new hi-tech dairy unit. 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.

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| Distinctive Features of the Foundation Degree |
| * 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 persue 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 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: * Microbiology laboratory, nutritional analysis. * Dirty support laboratory * Small mammals and guinea pig areas * Dog grooming area * Exotics and aquatics areas, with a range of commonly-kept reptiles, amphibians, fish and invertebrates * Outside rabbit area with a variety of rabbit breeds * Waterfowl * Pigs and goats * Food preparation kitchen * Animal Management students also have regular access to Equine facilities, with stabling for up to 60 horses, indoor and outdoor schools, hotwash and solarium. * Duchy Home Farm extends over 267 hectares (660 acres) with a large herd (285) of Holstein Friesian dairy cows with plans for a brand new dairy unit, pedigree Devon cattle, nearly 100 Texel sheep and British lop gilts. * 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. The Duchy College Veterinary Nursing Centre works closely with 45 Veterinary practices across Cornwall and Devon and, through the Healthy Livestock Project administered by the Rural Business School, we are currently working with 77 large animal and mixed animal Veterinary practices which provide excellent linkage to businesses within the animal health sector to enhance the learning experience. |

**Teaching Methods and Assessments**

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| **A: Development of Knowledge and Understanding** | **Learning and Teaching Strategy/Method** |
| By the end of the programme the student will be able to demonstrate knowledge and understanding of:   * 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) * 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) | **Primary**   * Lectures and tutorials * Directed independent study * Learning from work experience   **Secondary**   * Case studies * Problem-solving exercises |
| **NB: Benchmark References**  Biosciences (2007); agriculture, horticulture, forestry, food and consumer sciences (2009) | **Assessment**  Key knowledge and understanding is assessed via a combination of multiple choice tests, examinations, essays, presentations and seminar performances. |

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| **B: Cognitive and Intellectual Skills** | **Learning and Teaching Strategy/Method** |
| By the end of the programme the student will be able to:   * 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+) * 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+) | **Primary**   * Class exercises * Tutorial/seminar discussions * Feedback via coursework assessment process (essays etc)   **Secondary**  For example:   * Policy and practice analysis in surgeries * Utilisation of appropriate technology and subsequent application of results |
| **NB: Benchmark References**  Biosciences (2007); agriculture, horticulture, forestry, food and consumer sciences (2009) | **Assessment**   * Assessed discussions * Essays/projects/dissertations * Examinations/tests * Coursework/groupwork on practical application questions |

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| **C: Key Transferable Skills** | **Learning and Teaching Strategy/Method** |
| By the end of the programme the student will be able to:   * 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) * 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+) | **Primary**   * Tutorial guidance regarding PESD and industry specific Continued Professional Development * Library and other research exercises * Group work awareness and practice/collaboration * Resource-based learning and assessment   **Secondary**   * Class and seminar interactions and feedback |
| **NB: Benchmark References**  Biosciences (2007); agriculture, horticulture, forestry, food and consumer sciences (2009) | **Assessment**   * Coursework of all types * Examination preparation and completion * Assessed discussions * Group work assessments |

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| **D: Employment Related Skills** | **Learning and Teaching Strategy/Method** |
| By the end of the programme the student will be able to:   * 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+) | **Primary**   * Project oral presentation * coursework reports * Competency based skill training   **Secondary**  Discussions with visiting speakers and non-academic personnel  Competency based skill assessment |
| **E: Practical Skills** | **Learning and Teaching Strategy/Method** |
| By the end of the programme the student will be able to:   * Demonstrate the proficiencies needed in a broad range of appropriate practical techniques and skills relevant to Animal health. This will include the ability to place the work in context and to suggest lines of further investigation (Bio) * 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+) | **Primary**   * field work * Projects * Designated tasks * Learning from work * Competency based skill training   **Secondary**   * Lectures and tutorials * Competency based skill assessment |
| **NB: Benchmark References**  Biosciences (2007); agriculture, horticulture, forestry, food and consumer sciences (2009) | **Assessment**   * Project work * Ability to display competence |

**Learning Outcomes Maps for FdSc Animal Health and Management at HE Levels 4 and 5**

| **Learning Outcomes Map** | **Level 4** | | |
| --- | --- | --- | --- |
| **Graduate Attributes and Skills** |  |  |  |
| **Core Programme Intended Learning Outcomes** | **Programme Aim** | **Programme Learning Outcome** | **Related Core Modules** |
| 1. **Knowledge/ Understanding**   Students will be able to demonstrate a knowledge of the underlying concepts and principles associated with their area(s) of study, and an ability to evaluate and interpret these within the context of that (those) area(s) of study. In particular:   * the underpinning philosophy and role of Animal health in contributing to knowledge * the fundamental inter-relationships between animal management and behaviour. * The multi factorial nature of the Animal health industry * the importance of Animal health in the assurance of animal welfare at all levels | *refer to relevant numbered Aims*  *1,4,5* | 1, 2 | CORD180, CORD181, CORD182,CORD183, CORD184, |
| * **Cognitive / Intellectual Skills** (generic)   Students will be able to demonstrate an ability to present, evaluate, and interpret qualitative and quantitative data, to develop lines of argument and make sound judgements in accordance with basic theories and concepts of their subject(s) of study. They will also be able to demonstrate the ability to evaluate the appropriateness of different approaches to solving problems related to their area(s) of study and/or work. In particular to:   * critically analyse literature and apply that knowledge to understanding Animal health and management * assess the reliability and validity of evidence * develop a reasoned and informed argument * identify, formulate and resolve problems * synthesize and evaluate information from a wide range of sources * assimilate scientific knowledge in order to facilitate its use in relation to practical problems * integrate practical and industrial experience into academic work | *refer to relevant numbered Aims*  1,2,3,5 | 1,2,5,7 | CORD135, CORD181, CORD184, CORC1013 |
| * **Key / Transferable Skills** (generic)   Students will be able to demonstrate an ability to communicate accurately and reliably, and with structured and coherent arguments. Students will also be able to demonstrate an ability to take different approaches to solving problems. In particular to:   * utilise appropriate ICT technologies including the internet and appropriate software and hardware. * communicate ideas, principles and theories effectively by oral, written and visual means * search for, acquire, collate and organise information from a variety of sources * analyse and interpret quantitative and qualitative data * work independently and learn autonomously * operate effectively in groups, providing peer support as appropriate. * apply acquired skills to new contexts * reflect upon learning and evaluate their personal strengths and weaknesses on an ongoing basis. | *refer to relevant numbered Aims*  *2,3,6,7* | 1,2,3,4,5 | CORD135, CORD181, CORC1013 |
| * **Employment-related skills**   Students will be able to demonstrate an ability to undertake further training and develop new skills within a structured and managed environment and the qualities and transferable skills necessary for employment requiring the exercise of personal responsibility. In particular to:  *Students will be able to demonstrate an ability to undertake further training and develop new skills within a structured and managed environment and the qualities and transferable skills necessary for employment requiring the exercise of personal responsibility. In particular to:*   * Perform industry required practical skills * Relay the importance of the understanding of the interrelationship between animal health, training and behaviour to a wide ranging animal health industry audience. * Convey the multi factorial nature of Animal Health to a wide ranging Animal health industry audience * Implement appropriate translation of key academic principles/ findings in a variety of equine contexts * demonstrate interpersonal and team work skills * organise a team effectively and contribute effectively to team work through the identification of individual and collective goals * recognise and respect the views of others and reflect on performance as an individual and team member | *refer to relevant numbered Aims*  *3,4,5,7* | 3,6,7 | CORD181, CORD180, CORD184, CORD135, CORD183, CORC1013 |
| 1. **Practical Skills** *(*subject specific)  * primary and secondary data collection in a range of natural, experimental and competitive environments. * appropriate/informed analysis of quantitative and qualitative data * apply the concepts and principles of Animal management to novel issues and situations * plan, design, execute and report on an original research investigation * communicate with the Animal management sector and allied parties in an appropriate manner * demonstrate appropriate and competent handling of a range of animals | 1,2,3,7 | 3,4,6,7 | CORD135, CORD180, CORD181, CORD184 |
| 1. **Other**  * Animal Ethics   Students will be expected to abide by the guidelines laid downs by the University Ethics Committee   * Team work   Students will be expected to show respect to their peers and contribute positively in group work | 5,7 | 1,3,6,7 | CORD135, CORD180, CORD184, CORD182, CORC1013 |

| Foundation Degree Intended Learning Outcomes Map | **Level 5** | | |
| --- | --- | --- | --- |
| **Graduate Attributes and Skills** |  |  |  |
| **Core Programme Intended Learning Outcomes** | **Programme Aim** | **Programme Learning Outcome** | **Related Core Modules** |
| 1. **Knowledge/ Understanding**   Knowledge and critical understanding of the well-established principles of their area(s) of study, and the way in which those principles have developed; knowledge of the main methods of enquiry in their subject(s) and ability to evaluate critically the appropriateness of different approaches to solving problems in the field of study. They will also be able to demonstrate an understanding of the limits of their knowledge, and how this influences analyses and interpretations based on that knowledge. In particular:   * the underpinning philosophy and role of Animal Science in contributing to knowledge * the fundamental inter-relationships between health and management. * The multi factorial nature of Animal Management for a range of species * the importance of Animal Management in the assurance of animal welfare at all levels * the theoretical and practical application of the principles of Animal health within the management of animals. | *refer to relevant numbered Aims*  *1,5* | *Refer to relevant numbered Los*  *1,5* | *refer to relevant core modules*  CORD2000, CORD2034, CORD2035, CORD2032 |
| 1. **Cognitive / Intellectual Skills** (generic)   Students will be able to demonstrate an ability to apply underlying concepts and principles outside the context in which they were first studied. In particular:   * critically analyse literature and apply that knowledge to understanding of Animal management and health * assess the reliability and validity of evidence * develop a reasoned and informed argument * identify, formulate and resolve problems * synthesize and evaluate information from a wide range of sources * assimilate scientific knowledge in order to facilitate its use in relation to practical problems * integrate practical and industrial experience into academic work | *refer to relevant numbered Aims*  *2,3,5* | *Refer to relevant numbered Los*  *1,2,6,7* | *refer to relevant core modules*  *CORD2000, CORD2030, CORD2035* |
| 1. **Key / Transferable Skills** (generic)   Students will be able to demonstrate an ability to evaluate critically the appropriateness of different approaches to solving problems in the field of study; use a range of established techniques to initiate and undertake critical analysis of information, and to propose solutions to problems arising from that analysis and effectively communicate information, arguments, and analysis, in a variety of forms, to specialist and non-specialist audiences, and deploy key techniques of the discipline effectively. In particular:   * utilise appropriate ICT technologies including the internet and appropriate software and hardware. * communicate ideas, principles and theories effectively by oral, written and visual means * search for, acquire, collate and organise information from a variety of sources * analyse and interpret quantitative and qualitative data * work independently and learn autonomously * operate effectively in groups, providing peer support as appropriate. * apply acquired skills to new contexts | *refer to relevant numbered Aims*  *2,3,4,6* | *Refer to relevant numbered Los*  *4,6,7* | *refer to relevant core modules*  *CORD2000, CORD2031, CORD2030, CORD2033* |
| 1. **Employment-related skills**   Students will be able to demonstrate an ability to apply subject principles in an employment context possibly different from that in which they were first studied; undertake further training, develop existing skills and acquire new competencies that will enable them to assume significant responsibilities within organisations and demonstrate the qualities and transferable skills necessary for employment requiring the exercise of personal responsibility and decision making. In particular:   * Perform industry required practical skills * Relay the importance of the understanding of the interrelationship between animal management and animal health to a wide ranging audience. * Convey the multi factorial nature of Animal management to a wide ranging audience * Implement appropriate translation of key academic principles/ findings in a variety of animal management contexts * demonstrate interpersonal and team work skills * organise a team effectively and contribute effectively to team work through the identification of individual and collective goals * recognise and respect the views of others and reflect on performance as an individual and team member | *refer to relevant numbered Aims*  *4,5,7* | *Refer to relevant numbered Los*  *5,6,7* | *refer to relevant core modules*  *CORD2000, CORD2030,* |
| 1. **Practical Skills** (subject specific)  * primary and secondary data collection in a range of natural, experimental and competitive environments. * appropriate/informed analysis of quantitative and qualitative data * apply the concepts and principles of Animal Management to novel issues and situations * plan, design, execute and report on an original research investigation * communicate with the Animal management community and allied parties in an appropriate manner * demonstrate appropriate and competent handling of a range of animals | *refer to relevant numbered Aims*  *1,2,3,5,7* | *Refer to relevant numbered Los*  *2,3,4,6,7* | Practical Animal Husbandry  CORD2000, CORD2034, CORD2035, CORD2033, CORD2032 |

**Programme Structure Diagrams**

**College: Cornwall College 2707**

**Year: 2014/2015**

**PU Course Code:**

**Programme: FdSc Animal Health and Management**

**Mode of Attendance: Full Time**

**Total Credits: 240**

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| --- | --- | --- | --- |
| **Stage 1** | | | |
| **Module Code** | **Module Title** | **No. of Credits** | **Core / Optional** |
| CORC1013C | Personal and Employability Skills Development | 20 | Core |
| CORD135 | Research Skills | 10 | Core |
| CORD180 | Introduction to Animal Health | 10 | Core |
| CORD181 | Practical Animal Health and Management | 20 | Core |
| CORD182 | Animal Behaviour | 20 | Core |
| CORD183 | Principles of Animal Science | 20 | Core |
| CORD184 | The Animal Health Industry | 20 | Core |

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| **Stage 2** | | | |
| **Module Code** | **Module Title** | **No. of Credits** | **Core / Optional** |
| CORD2000 | Research Project | 20 | Core |
| CORD2034 | Animal Health and Disease | 20 | Core |
| CORD2033 | Applied Animal Nutrition | 20 | Core |
| CORD2030 | Contemporary Issues in Animal Health | 20 | Core |
| CORD2035 | Animal Health Planning | 20 | Core |
| **Students will also choose one of the following Modules** | | | |
| CORD2032 | Welfare, Care and Rehabilitation | 20 | Optional |
| CORD2031 | Pharmacy and Diagnostics | 20 | Optional |

**College: Cornwall College 2707**

**Year: 2014/2015**

**PU Course Code:**

**Programme: FdSc Animal Health and Management**

**Mode of Attendance: Part Time**

**Total Credits: 240**

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| **Year 1 - Stage 1** | | | |
| **Module Code** | **Module Title** | **No. of Credits** | **Core / Optional** |
| CORC1013C | Personal and Employability Skills Development | 20 | Core |
| CORD181 | Practical Animal Health and Management | 20 | Core |
| CORD182 | Animal Behaviour | 20 | Core |
| CORD183 | Principles of Animal Science | 20 | Core |

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| **Year 2 - Stage 1 & 2** | | | |
| **Module Code** | **Module Title** | **No. of Credits** | **Core / Optional** |
| CORD135 | Research Skills | 10 | Core |
| CORD180 | Introduction to Animal Health | 10 | Core |
| CORD184 | The Animal Health Industry | 20 | Core |
| CORD2033 | Applied Animal Nutrition | 20 | Core |
| CORD2034 | Animal Health and Disease | 20 | Core |

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| **Year 3 - Stage 2** | | | |
| **Module Code** | **Module Title** | **No. of Credits** | **Core / Optional** |
| CORD2000 | Research Project | 20 | Core |
| CORD2034 | Animal Health and Disease | 20 | Core |
| CORD2033 | Applied Animal Nutrition | 20 | Core |
| **Students will also choose one of the following Modules** | | | |
| CORD2032 | Welfare, Care and Rehabilitation | 20 | Optional |
| CORD2031 | Pharmacy and Diagnostics | 20 | Optional |

# Module Records

**SECTION A:DEFINITIVE MODULE RECORD**

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| --- | --- |
| **MODULE CODE: CORC1013** | **MODULE TITLE: Personal and Employability Skills Development** |

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| **CREDITS:** 20 | **FHEQ** **LEVEL: 4** | **JACS CODE: X900** |

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| **PRE-REQUISITES: N/A** | **CO-REQUISITES: N/A** | **COMPENSATABLE: N** |

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| **SHORT MODULE DESCRIPTOR:**  This module is designed to equip students with the necessary knowledge and skills to develop themselves in terms of their personal and employability skills. |

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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) |  | **C1** | **100%** | **P1** |  |
| **E2** (OSCE) |  | **C2** |  | **P3** |  |
| **T1** (in-class test) |  | **A1** |  |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: PESD |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:**   * Develop conceptual and practical skills in personal development planning for study at degree level and readiness for employability. * Equip learners with baseline personal resources for study and employment such as integrity, personal responsibility, reliability and self-motivation. * Develop learners’ skills in team working, decision-making, problem solving and communication. * Stimulate learners’ creativity and encourage a focus on enterprising and challenging tasks and activity. |

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| **ASSESSED LEARNING OUTCOMES:**  At the end of the module the learner will be expected to be able to:   * Evaluate and benchmark own study and analysis skills, capabilities and developmental needs. * Demonstrate understanding of concepts relating to personal, employability skills and work related skills. * Reflect upon how these concepts relate to personal and professional practice. * Effectively manage and self-direct personal and professional learning and development. |

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| **DATE OF APPROVAL**: 9 February 2010 | **FACULTY/OFFICE:** Academic Partnerships |
| **DATE OF IMPLEMENTATION**: September 2010 | **SCHOOL/PARTNER:** Cornwall College |
| **DATE(S) OF APPROVED CHANGE:** XX/XX/XXXX | **TERM: Autumn** |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

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| **MODULE CODE: CORC1013** | **MODULE TITLE: Personal and Employability Skills Development** |

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| **ACADEMIC YEAR: 2014-2015** | **NATIONAL COST CENTRE: 34** |

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| **MODULE LEADER: Adele Oakes** | **OTHER MODULE STAFF: Relevant site leaders.** |

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| **Summary of Module Content**   * Personal Development Planning - Personal audit, professional development, career management skills. * Intra and Interpersonal Skills - Influencing, negotiating, conflict resolution, risk taking, problem-solving, decision making, teamwork, initiative, self-esteem, leadership, innovation, creativity and enterprise. * Successful Communication - Interview skills, CVs and letters of application, self-presentation, presentation of information. * Understanding the Business Context - Organizational culture, business strategy, sustainability, cultural diversity, corporate social responsibility, financial literacy. * Project Management - Project planning, monitoring, evaluation, reporting. |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions}*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| PDP | 50 |  |
| Personal Skills | 50 |  |
| Communication | 50 |  |
| Business context and project plans | 50 |  |
| **Total** |  | **(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ |  |  |  |
| T\_ |  |  |  |
| Coursework | C\_ |  | 100% |  |
| Practice | P\_\_levant site leaders., , CB69, C990, CF68, N800, XP33, C39035, H100, N821, F410, L590, B900, NN89, N862, D435, F711, F710, CF67 |  |  |  |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: XX/XX/XXXX |

**SECTION A:DEFINITIVE MODULE RECORD*. Proposed changes must be submitted via Faculty Quality Procedures for approval and issue of new module code.***

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| **MODULE CODE: CORD180** | **MODULE TITLE** : Introduction to Animal Health |

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| **CREDITS:** 10 | **FHEQ** **LEVEL: 4** | **JACS CODE:** |

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| **PRE-REQUISITES:** | **CO-REQUISITES:** | **COMPENSATABLE: Y** |

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| **SHORT MODULE DESCRIPTOR**: 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. |

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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) |  | **C1** | 70% | **P1** |  |
| **E2** (OSCE) |  | **C2** |  | **P3** |  |
| **T1** (in-class test) | 30% | **A1** |  |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: Animal Health and Management |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:** This module aims to develop student ability to recognise health and ill health in a range of animals. The module will discuss the aetiology of diseases and associated characteristics. The module will develop plans for animal health enhancement and disease control strategies. Students will gain an appreciation of the role of the veterinary surgeon and DEFRA. |

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| **ASSESSED LEARNING OUTCOMES:** (additional guidance below)  At the end of the module the learner will be expected to be able to:  1. Recognise clinical signs of healthy and unhealthy animals  2. Discuss the role of pathogens and metabolic factors in the aetiology of disease  3. Analyse the characteristics of disease and immunity and determine how these may be translated into health and disease control strategies |

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| **DATE OF APPROVAL**: XX/XX/XXXX | **FACULTY/OFFICE:** Academic Partnerships |
| **DATE OF IMPLEMENTATION**: XX/XX/XXXX | **SCHOOL/PARTNER:** Duchy College; Stoke Climsland |
| **DATE(S) OF APPROVED CHANGE:** XX/XX/XXXX | **TERM: Autumn** |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

***Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.***

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| **ACADEMIC YEAR: 2014-2015** | **NATIONAL COST CENTRE:** |

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| **MODULE LEADER: Bea Hawker** | **OTHER MODULE STAFF: Relevant Programme Managers** |

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| **Summary of Module Content**  This module will cover the principles of animal health management and provide a basic understanding of the principles of maintaining animal health, prevention of infection and supporting owners in caring for animals. The module will cover the factors essential for maintaining animal health, identification of health and ill health in a range of animals, transmission of disease and infection control. The module is delivered by means of weekly lectures and seminars, group-work and self-directed research. Lectures will be supplemented by visits to industry establishments, and by attending guest speakers.  Lecture/seminar topics may include: Signs of health and disease, Alleviation of pain and discomfort, Disease characteristics, Causal agents - bacteria / fungi / protozoa / viruses / parasites  Aetiology, Pathogenesis, Incubation period, Symptoms, Transmission, Outbreaks and control, Diagnostic techniques, Commonly used medicines (antibacterials, antibiotics, pesticides and anthelmintics), Zoonoses, Metabolic disorders, Disease prevention, International / National / Regional / Animal owners; responsibilities and disease control strategies including quarantine, Exploitation of natural immunity and vaccines, Pasture and housing hygiene, The role of the Veterinary Surgeon and the State Veterinary Service, When advice should be sought, Legislation relating to tasks that can be undertaken on an animal and Legislation concerning the purchase and use of medicines. |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions}*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| Lectures | 70 | Formal presentation or talk on a particular topic. |
| Seminar | 6 | A session focussing on subject topic delivered by industry experts. |
| External visit | 4 | Visits to industry establishments |
| Guided Independent Study | 20 | Largely self-directed with formative support provided by subject experts as required. |
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| **Total** | **100** | **(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ | Exam | xx% |  |
| T\_ |  | xx% |  |
| Coursework | C1 | Assignment  In-class test | 70 %  30%    **100%** | Assignment weighted (70%) and In-class test (30%) enabling students to demonstrate achievement of assessed learning outcomes 1-5. |
| Practice | P\_ |  | xx% |  |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: XX/XX/XXXX |

**SECTION A:DEFINITIVE MODULE RECORD*.***

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| MODULE CODE: CORD135 | MODULE TITLE: Research Skills |

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| **CREDITS:** 20 | **FHEQ** **LEVEL: 4** | **JACS CODE: N870** |

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| **PRE-REQUISITES:** | **CO-REQUISITES:** | **COMPENSATABLE: Y** |

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| **SHORT MODULE DESCRIPTOR:** this module is designed to develop the student’s knowledge of the underpinning principles of research, experimental design and data analysis. |

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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) |  | **C1** | 100% | **P1** |  |
| **E2** (OSCE) |  | **C2** |  | **P3** |  |
| **T1** (in-class test) |  | **A1** |  |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: Stoke Climsland Core Modules |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:**  This module aims to enable student to develop their understanding of the research process and to recognise the important of the experimental planning and the use of research skills and investigation in relation to their academic programme of study. |

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| **ASSESSED LEARNING OUTCOMES:**  At the end of the module the learner will be expected to be able to:   1. Understand the process of planning research studies and the importance of ethical considerations. 2. Demonstrate the ability to design research studies in order to generate reliable data. 3. Identify appropriate data collection and analysis methods to test hypotheses and therefore reach conclusions about research questions |

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| **DATE OF APPROVAL**: April 2011 | **FACULTY/OFFICE:** Academic Partnerships |
| **DATE OF IMPLEMENTATION**: September 2011 | **SCHOOL/PARTNER:** |
| **DATE(S) OF APPROVED CHANGE:** XX/XX/XXXX | **TERM:** Spring |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

***Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.***

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| **ACADEMIC YEAR: 2014-2015** | **NATIONAL COST CENTRE: 27** |

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| **MODULE LEADER: Dr H Randle** | **OTHER MODULE STAFF: Relevant Programme Managers** |

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| **Summary of Module Content**  Through undertaking the research proposal coursework assessment, students will be expected to demonstrate:   * an ability to identify a focussed title for the proposed research * an understanding of research design * an ability to distinguish between aims, objectives and hypotheses * comprehension of data collection and analysis methods * effective completion of ethical approval application documentation * an ability to conduct an academically written mini literature review referenced appropriately using the Harvard Referencing System |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions]*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| Lectures | 10 | Formal in-class delivery |
| Practical class & workshops | 10 | In-class and self-directed |
| Supervision | 8 | In-class tuition with Programme Manager accompanied by self-directed practice |
| Guided Independent Study | 30 | Self-directed with formative support provided by subject experts as required |
| **Total** | **100** | **(NB: 1 credit = 10 hours of learning therefore 10 credits = 100 hours)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ |  | 0% |  |
| T\_ |  | 0% |  |
| Coursework | C1 | Research Proposal | 100%  **100%** | Research proposal enabling students to demonstrate achievement of Assessed Learning Outcomes 1-3. |
| Practice | P\_ |  | 0% |  |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: XX/XX/XXXX |

**READING LIST**

Allison, B., O’Sullivan, T., Owen, A., Rice, J., Rothwell, A. & Saunders, C., 1996. *Research skills for students*. London: Kogan Page.

Barnard, C., Gilbert, F.& McGregor, P., 2011. *Asking Questions in Biology: a guide to testing, experimental design and presentation in practical work and research projects.* 4th Ed . Harlow: Pearson.

Begon, M., Fowler, J., Cohen, L. & Jarvis, P., 2010. *Ecology: practical statistics for field biology: from individuals to ecosystems*. 4th Ed. London: Wiley-Blackwell.

Dytham, C., 2010. *Choosing and Using Statistics: a biologists guide.* 3rd Ed. Oxford: Blackwell.

Eddison, J., 1999. *Quantitative investigations in the biosciences using Minitab.* London: Chapman & Hall/CRC.

Gillham, B., 2008. *Developing a questionnaire.* 2nd Ed. London: Continuum.

Heath, D., 1995. *Introduction to experimental design and statistics for biology*. London: UCL Press.

Jeschke, E., Reinke, H., Unverhau, S., Pfeifer, E., Fienitz, B. & Bock, J., 2012. *Microsoft Excel 2010 formulas and functions inside out.* Reading: Microsoft

Martin, P. & Bateson, P., 2007. *Measuring behaviour: an introductory guide.* 3rd Ed. Cambridge: Cambridge University Press.

Oppenheim, A. N., 1992. *Questionnaire design, interviewing and attitude measurement*. London: Pinter Publishers.

Palmer, J., 2001. *Animal law: a concise guide to the law relating to animals*. 3rd Ed. Crayford: Shaw and Sons.

Petrie, A. & Watson P., 2006. *Statistics for veterinary and animals science*. 2nd Ed. Oxford: Blackwell Scientific.

Sleeper, A., 2011. *Minitab demystified.* Maidenhead: McGraw-Hill.

Wardlaw, A.C., 2000. *Practical statistics for experimental biologists*. London: Wiley.

Zar, J.H., 2007. *Biostatistical analysis*. 5th Ed. London: Pearson / Prentice Hall

**SECTION A:DEFINITIVE MODULE RECORD*. Proposed changes must be submitted via Faculty Quality Procedures for approval and issue of new module code.***

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| **MODULE CODE: CORD181** | **MODULE TITLE** :Practical Animal Health and management |

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| **CREDITS:** 10 | **FHEQ** **LEVEL: 4** | **JACS CODE:** |

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| **PRE-REQUISITES:** | **CO-REQUISITES:** | **COMPENSATABLE: N** |

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| **SHORT MODULE DESCRIPTOR:**  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). |

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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) | xx% | **C1** | 80% | **P1** | 20% |
| **E2** (OSCE) | xx% | **C2** | xx% | **P3** | xx% or Pass/Fail |
| **T1** (in-class test) | xx% | **A1** | xx% |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: Animal Health and Management |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:** The module aims to develop student husbandry and handling skills, it is important to have a basic working knowledge of animal husbandry so that species may be managed effectively. This module intends to provide students with the underpinning theoretical knowledge of animal husbandry for a range of species. The taught component of this module is designed to extend husbandry skills as well as ensuring that the legal requirements associated with the industry are understood. During the period of work placement students will develop personal and professional employability skills and competencies and reflect on continuing personal and professional development needs for the future. |

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| **ASSESSED LEARNING OUTCOMES:** (additional guidance below)  At the end of the module the learner will be expected to be able to:  1. Demonstrate and discuss the importance of correct animal husbandry techniques for a range of species, to include small animals, domestic livestock and exotic species.  2. Design and justify appropriate animal accommodation with emphasis on health and welfare  3. Assess and evaluate the care of animals to determine efficacy of husbandry and standards of animal management in practice  4. Demonstrate correct restraint and handling of a range of species. |

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| **DATE OF APPROVAL**: XX/XX/XXXX | **FACULTY/OFFICE:** Academic Partnerships |
| **DATE OF IMPLEMENTATION**: XX/XX/XXXX | **SCHOOL/PARTNER:** Duchy College; Stoke Climsland |
| **DATE(S) OF APPROVED CHANGE:** XX/XX/XXXX | **TERM: Autumn** |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

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| **ACADEMIC YEAR: 2014-15** | **NATIONAL COST CENTRE:** |

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| **MODULE LEADER: Jo Challacombe** | **OTHER MODULE STAFF: Relevant Programme Managers** |

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| **Summary of Module Content**  This module is designed to enable students to acquire and practice the vocationally relevant skills and knowledge needed in the animal management industry. It is based around both practical sessions and a work placement, of at least 40 hours duration, where students are encouraged to relate academic study to the types of work that would be expected to be undertaken in industry.  The module allows the student to develop their practical husbandry skills with a wide range of animal species. Practical sessions, lectures and site visits to local animal establishments will enable the students to consolidate their practical experiences with appropriate husbandry theories. Use will be made of case study materials and guest speakers where applicable. |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions}*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| Lectures | 4 | Formal presentation or talk on a particular topic |
| Practical | 64 | Sessions involving the development of practical skills working within the Animal Management Centre, Dartmoor Zoo and local industry specialist centres. |
| Practical placement | 40 | Largely self-directed with formative support provided by subject experts as required. |
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| **Total** | **100** | **(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ | Exam | %  % |  |
| T\_ |  | %  %  % |  |
| Coursework | C\_ | Assignment | 80%      **80%** | Practical Portfolio enabling students to demonstrate achievement of assessed learning outcomes 1-4. |
| Practice | P\_ |  | 20%  **20%**  100% | Practice in industry – completion of practical competence demonstrated during work placement. |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: XX/XX/XXXX |

**SECTION A:DEFINITIVE MODULE RECORD*. Proposed changes must be submitted via Faculty Quality Procedures for approval and issue of new module code.***

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| **MODULE CODE: CORD182** | **MODULE TITLE: Animal Behaviour** |

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| **CREDITS:** 20 | **FHEQ** **LEVEL: 4** | **JACS CODE:** |

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| **PRE-REQUISITES:** | **CO-REQUISITES:** | **COMPENSATABLE: Y** |

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| **SHORT MODULE DESCRIPTOR:** 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. |

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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) | xx% | **C1** | 60% | **P1** | xx% or Pass/Fail |
| **E2** (OSCE) | xx% | **C2** | xx% | **P3** | xx% or Pass/Fail |
| **T1** (in-class test) | 40% | **A1** | xx% |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:** This module aims to enable the student to develop a thorough understanding of the fundamental principles of animal behaviour, with a developing focus on a wide range of species. The module will introduce methods of measuring behaviour, use of behavioural investigations and how behaviour impinges on husbandry and welfare. |

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| **ASSESSED LEARNING OUTCOMES:** (additional guidance below)  At the end of the module the learner will be expected to be able to:   1. Describe the biological bases and evolution of behaviour. 2. Describe methodologies used to investigate behaviour. 3. Demonstrate the ability to design behavioural studies in order to generate data. 4. Review behavioural observations completing an academically written behavioural report. |

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| **DATE OF APPROVAL**: XX/XX/XXXX | **FACULTY/OFFICE:** Academic Partnerships |
| **DATE OF IMPLEMENTATION**: September 2013 | **SCHOOL/PARTNER:**Cornwall College; Duchy College |
| **DATE(S) OF APPROVED CHANGE:** XX/XX/XXXX | **TERM: Autumn/Spring/Summer** |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

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| **ACADEMIC YEAR: 2014-15** | **NATIONAL COST CENTRE:** |

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| **MODULE LEADER: Michelle Chappell** | **OTHER MODULE STAFF: Relevant Programme Managers** |

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| **Summary of Module Content** Knowledge gained from this module will form a platform for animal welfare assessment, which is vital in the animal management industry, and will also be appropriate for employment that involves the testing and manipulation of animal behaviour, e.g. lab technician, dog trainer. This level four module also forms a basis for more advanced studies in ‘Care, welfare and rehabilitation’ (level 5).  The module is delivered by means of weekly lectures and seminars, group-work and self-directed research. Lectures will be supplemented by visits to animal establishments, field trips and by attending guest speakers.  Lecture/seminar topics may include: ethogram design, application and utilisation, natural and abnormal behaviour, behaviour data collection and analysis methods, behavioural theories, principles of learning theory, review of behavioural observations and behavioural terminology. |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions}*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| Lectures | 85 | Formal presentation or talk on a particular topic. |
| Demonstration/ Field trip | 20 | A session involving the development of animal behavioural theory and practical application of observation techniques. |
| Guided Independent Study 112 Largely self-directed with formative support provided by subject experts as required. | 95 | Largely self-directed with formative support provided by subject experts as required. |
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| **Total** | **200** | **(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ |  | %  %  %  xx% |  |
| T\_ |  | %  %  100% |  |
| Coursework | C\_ | Assignment  ICT | 60 %    40 %    **100%** | Assignment (60%) and in-class test (40%) enabling students to demonstrate achievement of assessed learning outcomes 1-3. |
| Practice | P\_ |  | %  %  100% |  |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: XX/XX/XXXX |

**SECTION A:DEFINITIVE MODULE RECORD*. Proposed changes must be submitted via Faculty Quality Procedures for approval and issue of new module code.***

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| **MODULE CODE: CORD183** | **MODULE TITLE: Principles of Animal Science** |

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| **CREDITS:** 20 | **FHEQ** **LEVEL: 4** | **JACS CODE:** |

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| **PRE-REQUISITES:**  **None** | **CO-REQUISITES:**  **None** | **COMPENSATABLE: Y** |

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| **SHORT MODULE DESCRIPTOR:** *(max 425 characters)*  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. |

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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) | **40%** | **C1** | **40%** | **P1** |  |
| **E2** (OSCE) |  | **C2** |  | **P3** |  |
| **T1** (in-class test) | 20% | **A1** |  |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: Animal Health and Management |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:**  To provide students with a detailed knowledge of animal anatomy and physiology that will enable a ready understanding of treatment of injuries and disease as diagnosed by a Veterinary surgeon. |

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| **ASSESSED LEARNING OUTCOMES:** (additional guidance below)  At the end of the module the learner will be expected to be able to:   1. Describe cell, tissue and body fluid types and their function. 2. Understand structure and function of the main body systems of a range of species 3. Describe the anatomical components and how they are interrelated within species to include mammalian and non-mammalian species including avian, and exotics. 4. Identify anatomical structures 5. Demonstrate knowledge of common injuries, diseases and health problems of commonly encountered mammalian and non-mammalian vertebrates in relation to their anatomy |

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| **DATE OF APPROVAL**: XX/XX/XXXX | **FACULTY/OFFICE:** |
| **DATE OF IMPLEMENTATION**: September 2013 | **SCHOOL/PARTNER:** |
| **DATE(S) OF APPROVED CHANGE:** XX/XX/XXXX | **TERM: Autumn/Spring/Summer/other (please specify)** |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

***Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.***

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| **ACADEMIC YEAR: 2014-15** | **NATIONAL COST CENTRE:** |

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| **MODULE LEADER: Michelle Chappell** | **OTHER MODULE STAFF:** |

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| **Summary of Module Content** The module is delivered by means of weekly lectures and seminars, group-work and self-directed research. Lectures will be supplemented by practical laboratory sessions (links with Dartmoor Zoo enabling dissection of larger mammals) and by attending guest speakers.  Lecture/seminar topics may include: Cell structure and tissue types, body fluids, integumentary, skeletal system, joints connective tissue, muscular, fascia, tendons & ligaments, biomechanics, cardiovascular, respiratory, digestive, excretory, thermoregulation, lymphatic, exocrine, endocrine, reproductive, nervous, sensory systems. |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions}*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| Lectures | 140 | Formal presentation or talk on a particular topic. |
| Practical activities | 30 | A session involving the development of animal anatomical theory and practical application of dissection techniques. |
| Guided Independent Study | 30 | Largely self-directed with formative support provided by subject experts as required. |
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| **Total** | **200** | **(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ |  | 40%  %  %  **40**% | Formal examination enabling students to demonstrate achievement of assessed learning outcomes 1-5. |
| T\_ |  | %  %  % |  |
| Coursework | C\_ | Assignment  In-class test | 40%  20%  **60%** | Assignment 1 (40%) & In class test (20%) enabling students to demonstrate achievement of assessed learning outcomes 1-5. |
| Practice | P\_ |  | %  %  100% |  |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: XX/XX/XXXX |

**SECTION A:DEFINITIVE MODULE RECORD*. Proposed changes must be submitted via Faculty Quality Procedures for approval and issue of new module code.***

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| **MODULE CODE: CORD184** | **MODULE TITLE** :Animal Health Industry |

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| **CREDITS:** 20 | **FHEQ** **LEVEL: 4** | **JACS CODE:** |

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| **PRE-REQUISITES:** | **CO-REQUISITES:** | **COMPENSATABLE: Y** |

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| **SHORT MODULE DESCRIPTOR:** 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. |

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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) | xx% | **C1** | 50% | **P1** | xx% or Pass/Fail |
| **E2** (OSCE) | xx% | **C2** | 50% | **P3** | xx% or Pass/Fail |
| **T1** (in-class test) | xx% | **A1** | xx% |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:** This module aims to enable students to evaluate and reflect upon areas within the animal health industry that are currently the subject of research and development. By analysing a range of topics linked to all areas of the national and international health industry. Students will gain the knowledge and understanding which is required to be able to apply new developments to the animal health industry and move the industry forward from within. |

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| **ASSESSED LEARNING OUTCOMES:** (additional guidance below)  At the end of the module the learner will be expected to be able to:  1. Review all current UK animal health legislation  2. Relate the role of industry professionals and paraprofessionals in maintaining the health of a range of animals to include domestic, livestock, avian, aquatic, exotic and zoological.  3. Discuss current trends within the animal health industry in relation to animal welfare.  4. Identify the affects to human health and how animal health and welfare is implicated.  5. Explain and promote the importance of health industry products to animal owners. |

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| **DATE OF APPROVAL**: XX/XX/XXXX | **FACULTY/OFFICE:** Academic Partnerships |
| **DATE OF IMPLEMENTATION**: September 2013 | **SCHOOL/PARTNER:** Cornwall College; Duchy College |
| **DATE(S) OF APPROVED CHANGE:** XX/XX/XXXX | **TERM: Autumn/Spring/Summer** |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

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| **ACADEMIC YEAR: 2014-15** | **NATIONAL COST CENTRE:** |

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| **MODULE LEADER: Michelle Chappell** | **OTHER MODULE STAFF: Relevant Programme Managers** |

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| **Summary of Module Content**  This module is designed to give students an insight into the important areas of the animal health industry. The module is delivered by means of weekly lectures and seminars, group-work and self-directed research. Lectures will be supplemented by visits to industry establishments, research labs (Animal Health Trust, Animal Health Veterinary Laboratories Agency, allied services) and by attending guest speakers.  Lecture/seminar topics may include: Awareness of all current animal health legislation, development of science-based regulatory procedures and standards; testing requirements for animal health products, innovative tools for use by the veterinary profession, allied services and animal owners worldwide; benefits of animal health products for animal health and welfare, food safety and public health; research-based medicines, Human-animal assisted therapy. |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions}*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| Lectures | 100 | Formal presentation or talk on a particular topic. |
| Demonstration/Field trip | 20 | Visits to Industry establishments |
| Guided Independent Study | 80 | Largely self-directed with formative support provided by subject experts as required. |
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| **Total** | **200** | **(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ | Exam | xx%  **xx**% |  |
| T\_ |  | %  %  % |  |
| Coursework | C\_ | Assignment  1  Assignment 2 | 50 %    50%  **100%** | Assignment 1 (50%) & assignment 2 (50%) enabling students to demonstrate achievement of assessed learning outcomes 1-5. |
| Practice | P\_ |  | %  %  100% |  |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: XX/XX/XXXX |

**SECTION A:DEFINITIVE MODULE RECORD*.***

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| **MODULE CODE: CORD2000** | **MODULE TITLE: Research Project** |

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| **CREDITS:** 20 | **FHEQ** **LEVEL: 5** | **JACS CODE:N200** |

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| **PRE-REQUISITES:** | **CO-REQUISITES:** | **COMPENSATABLE: N** |

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| **SHORT MODULE DESCRIPTOR:** this module allows students to select a topic for investigation, to undertake a review of the literature on the subject and a detailed original investigation. |

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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) |  | **C1** | **100%** | **P1** |  |
| **E2** (OSCE) |  | **C2** |  | **P3** |  |
| **T1** (in-class test) |  | **A1** |  |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: Duchy Stoke Core Modules |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:**  This module aims to enable students to develop their skills of investigation as well as those of self-assessment and reflection on practice, while researching their topic and presenting their findings, and also to gain an in-depth knowledge of a topic within their general subject area, by the collection, analysis and presentation of data. |

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| **ASSESSED LEARNING OUTCOMES:** (additional guidance below)  At the end of the module the learner will be expected to be able to:   1. Undertake an investigative study of an appropriate selected programme specific topic of potential use to the industry and designing a suitable collection and analytical protocol 2. Compile a written report comprising a summary, an academic introduction to the topic under investigation, and a report on the data collection, analysis and results, and give a presentation of the findings. 3. Appraise own strengths and weaknesses, and areas requiring further development, as part of the continuing Personal Development Plan (PDP).   **Skills**: Knowledge and Understanding (knowledge/ethics) Key/transferable (communication/problem solving/management/learning resources) |

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| **DATE OF APPROVAL** March 2007 | **FACULTY/OFFICE:** Academic Partnerships |
| **DATE OF IMPLEMENTATION**: September 2007 | **SCHOOL/PARTNER:** Cornwall College; Duchy |
| **DATE(S) OF APPROVED CHANGE:** January 2011 | **TERM:** Autumn ~ all year |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

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| **ACADEMIC YEAR: 2014-15** | **NATIONAL COST CENTRE: 27** |

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| **MODULE LEADER: Dr H Randle** | **OTHER MODULE STAFF: Relevant Programme Managers** |

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| **Summary of Module Content**  Feasibility of a study and ethics; collection and analysis of data; undertaking a literature review; presentation methods; development of transferable skills. |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions]*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| Lectures | 10 | Preparatory lectures to assure appropriateness of proposed study |
| Tutorials/supervisions | 30 | To ensure ethical requirements met and a suitable work plan agreed and implemented. |
| Statistics workshops/surgeries | 15 | Preparation and assistance ith primary data analysis |
| Self directed primary data collection; collation and analysis; report, technical summary and poster production. | 140 | Autonomous working (with tutor available if needed) |
| Assessment (poster presentation) | 5 | Part of the assessment strategy for the module – to present and listen to the rest of the cohorts presentations. |
| **Total** | **200** | **(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ |  | 0% |  |
| T\_ |  | 0% |  |
| Coursework | C1 | Formative Lit Review  Formative Methodology  Formative Results  Final Report  Industry Handout  Poster – content and defence (15%) each | 0%  0%  0%  60%  10%  30%  **100%** | ALO1 - Demonstrate planning and building of research project that will result in analysable data.  ALO2 – report writing  ALO2 – communication to various audiences  ALO3 – contribution to on-going PDP development and plan. |
| Practice | P\_ |  | 0% |  |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: xx/xx/xxxx |

**SECTION A:DEFINITIVE MODULE RECORD*. Proposed changes must be submitted via Faculty Quality Procedures for approval and issue of new module code.***

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| **MODULE CODE: CORD2030** | **MODULE TITLE:** Contemporary Issues in Animal health and Science |

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| **CREDITS:** 20 | **FHEQ** **LEVEL: 5** | **JACS CODE:** |

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| **PRE-REQUISITES:** | **CO-REQUISITES:** | **COMPENSATABLE: Y** |

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| **SHORT MODULE DESCRIPTOR:** 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. |

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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) | 50% | **C1** | 50% | **P1** |  |
| **E2** (OSCE) |  | **C2** |  | **P3** |  |
| **T1** (in-class test) |  | **A1** |  |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: Animal Health and Management |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:**   * To assess the issues that currently affect the animal welfare and health industry and identify how they may be addressed * To stimulate analysis and evaluation of current developments in animal science and management * To appraise the way in which research can be transferred to the animal welfare and health industry. |

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| **ASSESSED LEARNING OUTCOMES:** (additional guidance below)  At the end of the module the learner will be expected to be able to:  1. critically appraise the significance of contemporary developments in animal health and science  2. critically appraise the transfer of animal health and science research to commercial application  3. critically evaluate the application of animal health and science research in a variety of industrial contexts  4. effectively communicate the results of animal health and science research to varied audiences |

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| **DATE OF APPROVAL**: XX/XX/XXXX | **FACULTY/OFFICE:** Academic Partnerships |
| **DATE OF IMPLEMENTATION**: XX/XX/XXXX | **SCHOOL/PARTNER:**Cornwall College; Duchy College |
| **DATE(S) OF APPROVED CHANGE:** XX/XX/XXXX | **TERM: Autumn/Spring/Summer** |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

***Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.***

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| **ACADEMIC YEAR: 2014-15** | **NATIONAL COST CENTRE:** |

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| **MODULE LEADER: Michelle Chappell** | **OTHER MODULE STAFF: Relevant Programme Managers** |

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| **Summary of Module Content**  This module is designed to enable students to evaluate and reflect upon areas within the animal industry that are currently the subject of research and development. By analysing a range of topics linked to all areas of animal management, students will gain the knowledge and understanding which is required to be able to apply new developments to the animal industry and move the industry forward from within. The subjects covered in this module will derive from a wide range of scientific areas. Topics will be included as and when they arise within the animal management industry. |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions}*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| Lectures | 70 | Formal presentation or talk on a particular topic |
| Seminar | 30 | Lecture sessions focusing on contemporary issues within the Animal Health and management sector. |
| Guided Independent Study | 100 | Largely self-directed with formative support provided by subject experts as required. |
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| **Total** | **200** | **(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ | Exam | 50%  **50**% | Formal examination enabling students to demonstrate achievement of assessed learning outcomes 1-4. |
| T\_ |  | % |  |
| Coursework | C\_ | Assignment | 50 %    **50%** | Assignment enabling students to demonstrate achievement of assessed learning outcomes 1-4. |
| Practice | P\_ |  | % |  |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: XX/XX/XXXX |

**SECTION A:DEFINITIVE MODULE RECORD*. Proposed changes must be submitted via Faculty Quality Procedures for approval and issue of new module code.***

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| **MODULE CODE: CORD2031** | **MODULE TITLE: Pharmacy and Diagnostics** |

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| **CREDITS:** 20 | **FHEQ** **LEVEL: 5** | **JACS CODE:** |

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| **PRE-REQUISITES:**  **None** | **CO-REQUISITES:**  **None** | **COMPENSATABLE: Y** |

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| **SHORT MODULE DESCRIPTOR:** *(max 425 characters)*  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. |

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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) | 50% | **C1** | 50% | **P1** | xx% or Pass/Fail |
| **E2** (OSCE) | xx% | **C2** | xx% | **P3** | xx% or Pass/Fail |
| **T1** (in-class test) | xx% | **A1** | xx% |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: Animal Health and Management |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:** to provide underpinning knowledge of the principles of pharmacology and safe pharmacy practice; to understand the regulatory frameworks and legislation governing the prescription and supply of medicines; to understand the various methods of administering medicines. To provide students with knowledge of small animal medical diagnostic aids and tests, their quality control and use; to demonstrate principles of a variety of imaging techniques |

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| **ASSESSED LEARNING OUTCOMES:** (additional guidance below)  At the end of the module the learner will be expected to be able to:   1. Describe effective and safe management of a veterinary pharmacy 2. Explain the principles of prescription and supply 3. Demonstrate ability to select appropriate medicines 4. Demonstrate an understanding of safe laboratory working practices 5. Examine different diagnostic procedures and their interpretation | |
| **DATE OF APPROVAL**: XX/XX/XXXX | **FACULTY/OFFICE: Academic Partnerships** |
| **DATE OF IMPLEMENTATION**: September 2013 | **SCHOOL/PARTNER: Duchy College, Stoke Climsland** |
| **DATE(S) OF APPROVED CHANGE:** XX/XX/XXXX | **TERM: Autumn** |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

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| **ACADEMIC YEAR: 2014-15** | **NATIONAL COST CENTRE:** |

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| **MODULE LEADER: tbc** | **OTHER MODULE STAFF:** |

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| **Summary of Module Content**   * Stock management; dispensing medicines * Selection and administration of appropriate medicines * Principles of prescription and regulatory frameworks * Principles of radiation and other imaging modalities * Laboratory equipment and its use; collection and processing of laboratory samples * Interpretation of results |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions}*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| Lectures | 100 | Formal presentation or talk on a particular topic |
| Practical | 8 | Sessions involving developing laboratory diagnostic techniques. |
| External visit | 4 | Visit to industry establishment i.e. VLA /Animal Health Trust |
| Guided Independent Study | 100 | Largely self-directed with formative support provided by subject experts as required. |
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| **Total** | **200** | **(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ |  | 50%  %  %  50% | Formal scheduled examination (50%) enabling students to demonstrate achievement of assessed learning outcomes 1-5. |
| T\_ |  | %  %  100% |  |
| Coursework | C\_ |  | 50%  %  50% | Assignment weighted (50%) enabling students to demonstrate achievement of assessed learning outcomes 1-5. |
| Practice | P\_ |  | %  %  100% |  |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: XX/XX/XXXX |

**SECTION A:DEFINITIVE MODULE RECORD*. Proposed changes must be submitted via Faculty Quality Procedures for approval and issue of new module code.***

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| **MODULE CODE: CORD2032** | **MODULE TITLE: Welfare, Care and Rehabilitation** |

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| **CREDITS:** 20 | **FHEQ** **LEVEL: 5** | **JACS CODE:** |

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| **PRE-REQUISITES:**  **None** | **CO-REQUISITES:**  **None** | **COMPENSATABLE: Y** |

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| **SHORT MODULE DESCRIPTOR:** *(max 425 characters)*  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 |

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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) |  | **C1** | 50% | **P1** |  |
| **E2** (OSCE) |  | **C2** | 50% | **P3** |  |
| **T1** (in-class test) |  | **A1** |  |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: Animal Health and Management |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:**  To provide an understanding of the organisations involved in animal rescue and rehabilitation at local, national and international level, the procedures involved and the relevant legislation. To provide the skills and ability to defend different views on animal welfare and the ethics that the surround this topic. |

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| **ASSESSED LEARNING OUTCOMES:** (additional guidance below)  At the end of the module the learner will be expected to be able to:   1. Be conversant with the relevant legislation, in the rescue and rehabilitation of both domestic and wild animals. 2. Investigate the factors leading to design of rescue and rehabilitation centres for both domestic and wild animals. 3. Demonstrate knowledge of the rescue and rehabilitation process. 4. Discuss and critically evaluate issues associated with animal welfare including a range of ethical dilemmas and standpoints. 5. Construct a comprehensive argument defending a given point of view on an animal welfare issue. |

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| **DATE OF APPROVAL**: XX/XX/XXXX | **FACULTY/OFFICE:** Academic Partnerships |
| **DATE OF IMPLEMENTATION**: September 2013 | **SCHOOL/PARTNER: Duchy College** |
| **DATE(S) OF APPROVED CHANGE:** XX/XX/XXXX | **TERM: Autumn** |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

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| **ACADEMIC YEAR: 2014-15** | **NATIONAL COST CENTRE:** |

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| **MODULE LEADER: Bea Hawker** | **OTHER MODULE STAFF: All relevant programme managers** |

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| **Summary of Module Content**  The module is delivered by means of weekly lectures and seminars, group-work and self-directed research, visits and guest speakers.  Lecture/seminar topics may include: Local, national and international rescue and rehabilitation organisations; Rehabilitation legislation; Design of rehabilitation centres; Factors relating to rescue; Capture and restraint; Handling techniques and equipment; Assessment of mammals and birds; Decision making and designing protocols; Rehabilitation procedures and release techniques; Post-release welfare issues and implications; Introduction to ethics; Building structured arguments; Debate skills; Current issues in animal welfare; Legislation for animal welfare.  Visits/Guest speakers may include: RSPCA (St Columb, West Hatch); Gwel-an-Mor; Bat Hospital; Secret World; Seal Sanctuary; Wildlife Liaison Officer. |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions}*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| Lectures | 110 | Formal presentation or talk on a particular topic. |
| Practical activities | 30 | Session involving the development of practical rehabilitation techniques |
| External visit | 20 | Visits to industry establishments involved in the rehabilitation of animals. |
| Guided Independent Study | 40 | Largely self-directed with formative support provided by subject experts as required. |
| **Total** | **200** | **(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ |  | %  %  %  100% |  |
| T\_ |  | %  %  100% |  |
| Coursework | C\_ | Assignment 1  Debate | 50 %  50 %  **100%** | Assignment weighted (50%) and debate (50%) enabling students to demonstrate achievement of assessed learning outcomes 1-5. |
| Practice | P\_ |  | %  %  100% |  |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: XX/XX/XXXX |

**SECTION A:DEFINITIVE MODULE RECORD*. Proposed changes must be submitted via Faculty Quality Procedures for approval and issue of new module code.***

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| **MODULE CODE:CORD2033** | **MODULE TITLE: Applied Animal Nutrition** |

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| **CREDITS:** 20 | **FHEQ** **LEVEL: 5** | **JACS CODE:** |

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| **PRE-REQUISITES:**  **None** | **CO-REQUISITES:**  **None** | **COMPENSATABLE: Y** |

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| **SHORT MODULE DESCRIPTOR:**  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. |

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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) | 40% | **C1** | 60% | **P1** | 0% or Pass/Fail |
| **E2** (OSCE) | 0% | **C2** | 0% | **P3** | 0% or Pass/Fail |
| **T1** (in-class test) | 0% | **A1** | 0% |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: Animal Health and Management |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:**  To develop students’ understanding of the biochemical principles which have evolved with the anatomy and physiology of digestive systems in a range of companion, domestic, livestock and exotic animals and the application of this knowledge to understanding the differences in diet of these animals. The application of this knowledge to the maintenance of good health via clinical nutrition. |

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| **ASSESSED LEARNING OUTCOMES:** (additional guidance below)  At the end of the module the learner will be expected to be able to:   1. Investigate the physiology of digestion and the concepts of cellular metabolism. 2. Analyse the structure and role of biologically important molecules. 3. Analyse dietary calculations regarding energy content, protein content and utilisation of feed by a range of animals, including production animals.   4. Investigate sources of foods and evaluate their suitability, digestibility and utilisation by a range of animals and the implications of clinical nutrition problems. |

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| **DATE OF APPROVAL**: XX/XX/XXXX | **FACULTY/OFFICE:** |
| **DATE OF IMPLEMENTATION**: September 2013 | **SCHOOL/PARTNER: Duchy College** |
| **DATE(S) OF APPROVED CHANGE:** XX/XX/XXXX | **TERM: Autumn/Spring/Summer/other (please specify)** |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

***Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.***

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| **ACADEMIC YEAR: 2014-15** | **NATIONAL COST CENTRE:** |

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| **MODULE LEADER: Bea Hawker** | **OTHER MODULE STAFF: Relevant programme managers.** |

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| **Summary of Module Content**  Physiology of the digestive processes, including cellular metabolism. Characteristics, structure and role of carbohydrate, fats, proteins, vitamins and minerals. Utilisation of nutrients within the body to include an overview of the biochemistry of metabolism, The role of nutrition in the prevention/control of disease/metabolic disorder. Dietary calculations of digestibility, energy and protein content and utilisation within the body. Sources of feeds, their suitability for various animals, to include processing and growth of nutraceuticals. |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions}*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| Lectures Lecture room session focussing on animal nutrition delivered by industry experts. | 102 | Formal presentation or talk on a particular topic. |
| Seminar | 8 | Lecture room session focussing on animal nutrition delivered by industry experts. |
| Guided Independent Study | 90 | Largely self-directed with formative support provided by subject experts as required. |
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| **Total** | **200** | **(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ | Formal exam | 40%  %  %  40% | Formal examination enabling students to demonstrate achievement of assessed learning outcomes 1-4. |
| T\_ |  | %  %  % |  |
| Coursework | C\_ |  | 60%  %  60% | Assignment 1 (60%) enabling students to demonstrate achievement of assessed learning outcomes 1-4. |
| Practice | P\_ |  | %  %  % |  |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: XX/XX/XXXX |

**SECTION A:DEFINITIVE MODULE RECORD*. Proposed changes must be submitted via Faculty Quality Procedures for approval and issue of new module code.***

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| **MODULE CODE: CORD2034** | **MODULE TITLE** : Animal Health and Disease |

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| **CREDITS:** 20 | **FHEQ** **LEVEL: 5** | **JACS CODE:** |

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| **PRE-REQUISITES:** | **CO-REQUISITES:** | **COMPENSATABLE: Y** |

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| **SHORT MODULE DESCRIPTOR**: 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. |

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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) | xx% | **C1** | 50% | **P1** | xx% or Pass/Fail |
| **E2** (OSCE) | xx% | **C2** | xx% | **P3** | xx% or Pass/Fail |
| **T1** (in-class test) | 50% | **A1** | xx% |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: Animal Health and Management |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:** To identify the principles of central support for maintaining animal health: it will equip the student with an understanding of homeostasis and the criteria by which health and well-being is assessed. It will also provide knowledge of the principles of health and disease in a range of animals worldwide. |

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| **ASSESSED LEARNING OUTCOMES:** (additional guidance below)  At the end of the module the learner will be expected to be able to:   1. Identify principles and practice of infection control in husbandry practice 2. Demonstrate knowledge of reproduction and breeding behaviour 3. Review and evaluate the common disorders of animal body systems and understand the methods of diagnosis and treatments. 4. Analyse and suggest solutions to problems where diseases have developed due to poor management and husbandry worldwide. 5. Evaluate and discuss the measures used to control and treat infectious diseases globally. |

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| **DATE OF APPROVAL**: XX/XX/XXXX | **FACULTY/OFFICE:** Academic Partnerships |
| **DATE OF IMPLEMENTATION**: XX/XX/XXXX | **SCHOOL/PARTNER:**Cornwall College; Duchy College |
| **DATE(S) OF APPROVED CHANGE:** XX/XX/XXXX | **TERM: Autumn/Spring/Summer** |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

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| **ACADEMIC YEAR: 2014-15** | **NATIONAL COST CENTRE:** |

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| **MODULE LEADER: Michelle Chappell** | **OTHER MODULE STAFF: Relevant Programme Managers** |

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| **Summary of Module Content** The module is delivered by means of weekly lectures/discussion/seminars: Topics covered will include: homeostasis and maintenance of health (animal welfare, nutrition, reproduction, identification); infection control (disease transmission, disinfection and sterilisation, environment and hygiene), Disease/disorders of animal body systems: respiratory, circulatory, digestive, urinary, nervous, endocrine, musculoskeletal, mucocutaneous., Diagnostic aids: post-mortems, pathology, microscopy, biochemical examination, haematology, faeces, urine and skin examinations, CSF analysis, use of palpation, auscultation, radiography and ultrasound., Identify the range of pathogens, common diseases, their symptoms, diagnosis and treatments, disease epidemiology and prevention, The concept of parasites, effects on their hosts (lifecycles, transmission, diagnosis, control). |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions}*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| Lectures | 90 | Formal presentation or talk on a particular topic. |
| Practical activities | 40 | A session involving the development of diagnostic techniques and treatments. |
| Guided Independent Study | 70 | Largely self-directed with formative support provided by subject experts as required. |
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| **Total** | **200** | **(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ | Exam | 50%  50% | Formal examination enabling students to demonstrate achievement of assessed learning outcomes 1-5. |
| T\_ |  | %  %  xx% |  |
| Coursework | C\_ | Assignment | 50 %  %    **50%** | Assignment enabling students to demonstrate achievement of assessed learning outcomes 1-5. |
| Practice | P\_ |  | %  %  xx% |  |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: XX/XX/XXXX |

**SECTION A:DEFINITIVE MODULE RECORD*. Proposed changes must be submitted via Faculty Quality Procedures for approval and issue of new module code.***

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| **MODULE CODE: CORD2035** | **MODULE TITLE** :Animal Health Planning |

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| **CREDITS:** 20 | **FHEQ** **LEVEL: 5** | **JACS CODE:** |

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| **PRE-REQUISITES:** | **CO-REQUISITES:** | **COMPENSATABLE: Y** |

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| **SHORT MODULE DESCRIPTOR:**. 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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| **ELEMENTS OF ASSESSMENT *[Use HESA KIS definitions}*** | | | | | |
| WRITTEN EXAMINATION | | COURSEWORK | | PRACTICE | |
| **E1** (Formally scheduled) | xx% | **C1** | 60% | **P1** | xx% or Pass/Fail |
| **E2** (OSCE) | xx% | **C2** | xx% | **P3** | xx% or Pass/Fail |
| **T1** (in-class test) | 40% | **A1** | xx% |  |  |

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| **SUBJECT ASSESSMENT PANEL Group to which module should be linked**: Animal Health and Management |

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| **Professional body minimum pass mark requirement: N/A** |

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| **MODULE AIMS:** This module aims to develop student understanding of animal health and disease. It builds on the learning acquired during the Introduction to Animal Health module at Level Four and Animal Health and disease (Level 5). Students will develop a wider understanding of immunology and defence against disease. Implication of suitable strategic health plans for varied range of animals to include domestic, livestock, avian, aquatic, exotic and zoological. |

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| **ASSESSED LEARNING OUTCOMES:** (additional guidance below)  At the end of the module the learner will be expected to be able to:  1. Interpret Animal Health Plans  2. Appraise disease control / parasite control strategies (including husbandry methods which minimise disease and medicine interactions)  3. Interpret strategies to optimise the use of medicines  4. Analyse health and welfare issues and demonstrate planning to improve profitability and product quality.  5. Critically evaluate a health plan for a population of animals. |

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| **DATE OF APPROVAL**: XX/XX/XXXX | **FACULTY/OFFICE:** Academic Partnerships |
| **DATE OF IMPLEMENTATION**: XX/XX/XXXX | **SCHOOL/PARTNER:**Cornwall College; Duchy College |
| **DATE(S) OF APPROVED CHANGE:** XX/XX/XXXX | **TERM: Autumn/Spring/Summer** |

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| Additional notes (for office use only): |

**SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT**

***Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.***

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| **ACADEMIC YEAR: 2014-15** | **NATIONAL COST CENTRE:** |

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| **MODULE LEADER: TBC** | **OTHER MODULE STAFF: Relevant Programme Managers** |

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| **Summary of Module Content**  The module considers the health management of animal herds and populations. The module is delivered by means of weekly lectures and seminars, group-work and self-directed research. Lectures will be supplemented by visits to industry establishments, links with Rural Business School as part of the South West Healthy Livestock Initiative (SWHLI) and by attending guest speakers.  Lecture/seminar topics may include: Epidemiology of disease within populations and the consequential effects economically, socially and culturally. Methodologies for health management and disease control, blood or milk screening, faecal testing or analysis of forage or soil samples, diseases / conditions that may be present on establishments and are having a negative impact on animal health and welfare, assessment of health issues within populations and identification, management recommendations, investment in facilities or equipment which will improve problem areas. |

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| **SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions}*** | | |
| **Scheduled Activities** | **Hours** | **Comments/Additional Information** |
| Lectures | 90 | Formal presentation or talk on a particular topic. |
| Practical Demonstration/ Field trip | 10 | A session involving the development of animal health planning theory and practical application of techniques. |
| Guided Independent Study 112 Largely self-directed with formative support provided by subject experts as required. | 100 | Largely self-directed with formative support provided by subject experts as required. |
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| **Total** | **200** | **(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc)** |

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| ***Category*** | ***Element*** | ***Component Name*** | ***Component weighting*** | ***Comments*** *Include links to learning objectives* |
| Written exam | E\_ | Exam | xx% |  |
| T\_ |  | % |  |
| Coursework | C\_ | Assignment  In-class test | 60 %  40%    **100%** | Assignment & in-class test enabling students to demonstrate achievement of assessed learning outcomes 1-5. |
| Practice | P\_ |  | % |  |

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| **Updated by**: Date: xx/xx/xxxx | **Approved by**: Date: XX/XX/XXXX |