Unit Outline (Higher Education)

Institute / School:	Institute of Innovation, Science & Sustainability
Unit Title:	ANIMAL MANAGEMENT AND DISEASE
Unit ID:	SCVET2001
Credit Points:	15.00
Prerequisite(s):	(SCBIO1020 or SCENV1002)
Co-requisite(s):	Nil
Exclusion(s):	(BIOGC2710)
ASCED:	061101

Description of the Unit:

This unit will analyse the basic parameters of animal health with respect to symptomatic observation and measurement of disturbance to body function through to clinical diagnostic methods. Disease states will be explored as case studies of common diseases in farm and pet animals and via analysis of the impacts of disease on the various organ systems of the body. Disease treatment and control methods will be described together with basic information on microbial infection systems relevant to animal protection and treatment. Information concerning specific health issues in various species will be explored via a number of examples. Specialist lectures from animal welfare and veterinary staff will be used to detail these examples and provide practical contexts. Field studies will explore the techniques and analyses of modern veterinary medicine.

Grade Scheme: Graded (HD, D, C, P, MF, F, XF)

Work Experience:

No work experience: Student is not undertaking work experience in industry.

Placement Component: No

Supplementary Assessment: Yes

Where supplementary assessment is available a student must have failed overall in the Unit but gained a final mark of 45 per cent or above, has completed all major assessment tasks (including all sub-components where a task has multiple parts) as specified in the Unit Description and is not eligible for any other form of supplementary assessment

Course Level:

Level of Unit in Course	AQF Level of Course					
	5	6	7	8	9	10
Introductory	☐	☐	☐	☐	☐	☐
Intermediate	☐	☐	✔	☐	☐	☐
Advanced	☐	☐	☐	☐	☐	☐

Learning Outcomes:

Knowledge:

K1. Recognise the importance of hygiene, nutrition and welfare in animal health

K2. Describe the main features of a range of diseases and their symptoms in pet and farm animals;

K3. Recognise the importance of observation and measurement of symptoms and the role of modern diagnostic medicine in disease control

K4. Give examples of diagnostic testing and interpretation

K5. Discuss the importance of disease control and research in the welfare and maintenance of animals

Skills:

S1. Develop scientific problem-solving and investigation skills in animal welfare

S2. Devise effective strategies for critical interpretation of animal health scientific literature from a variety of sources

S3. Interpret field data for accurate veterinary disease diagnosis

S4. Communication of scientific results in a clear manner in both written and oral forms

Application of knowledge and skills:

A1. Understand the importance and nutritional requirements of different veterinary animals

A2. Analyse and interpret data to determine the animal health status of veterinary animals

A3. Recognise symptoms, diagnostic and treatment options for a range of diseases in veterinary animals

Unit Content:

Topics may include:

- Parameters, including environmental, nutritional and genetic factors, impacting on animal health
- Development of knowledge of common diseases in veterinary animals
- Understanding diagnostic methods and treatment options in disease or immunocompromised veterinary animals

FEDTASKS

Federation University Federation recognises that students require key transferable employability skills to prepare them for their future workplace and society. FEDTASKS (**T**ransferable **A**ttributes **S**kills and **K**nowledge) provide a targeted focus on five key transferable Attributes, Skills, and Knowledge that are be embedded within curriculum, developed gradually towards successful measures and interlinked with cross-discipline and Co-operative Learning opportunities. *One or more FEDTASK, transferable Attributes, Skills or Knowledge must be evident in the specified learning outcomes and assessment for each FedUni Unit, and all must be directly assessed in each Course.*

FEDTASK attribute and descriptor		Development and acquisition of FEDTASKS in the Unit	
		Learning Outcomes (KSA)	Assessment task (AT#)
FEDTASK 1 Interpersonal	Students will demonstrate the ability to effectively communicate, inter-act and work with others both individually and in groups. Students will be required to display skills in-person and/or online in: • Using effective verbal and non-verbal communication • Listening for meaning and influencing via active listening • Showing empathy for others • Negotiating and demonstrating conflict resolution skills • Working respectfully in cross-cultural and diverse teams.	S1, S4	AT3
FEDTASK 2 Leadership	Students will demonstrate the ability to apply professional skills and behaviours in leading others. Students will be required to display skills in: • Creating a collegial environment • Showing self-awareness and the ability to self-reflect • Inspiring and convincing others • Making informed decisions • Displaying initiative	A2, S2, S1	AT1, AT2, AT3, AT4
FEDTASK 3 Critical Thinking and Creativity	Students will demonstrate an ability to work in complexity and ambiguity using the imagination to create new ideas. Students will be required to display skills in: • Reflecting critically • Evaluating ideas, concepts and information • Considering alternative perspectives to refine ideas • Challenging conventional thinking to clarify concepts • Forming creative solutions in problem solving.	A1, A2, A3	AT1, AT3, AT4

FEDTASK attribute and descriptor		Development and acquisition of FEDTASKS in the Unit	
		Learning Outcomes (KSA)	Assessment task (AT#)
FEDTASK 4 Digital Literacy	Students will demonstrate the ability to work fluently across a range of tools, platforms and applications to achieve a range of tasks. Students will be required to display skills in: • Finding, evaluating, managing, curating, organising and sharing digital information • Collating, managing, accessing and using digital data securely • Receiving and responding to messages in a range of digital media • Contributing actively to digital teams and working groups • Participating in and benefiting from digital learning opportunities.	Not applicable	Not applicable
FEDTASK 5 Sustainable and Ethical Mindset	Students will demonstrate the ability to consider and assess the consequences and impact of ideas and actions in enacting ethical and sustainable decisions. Students will be required to display skills in: • Making informed judgments that consider the impact of devising solutions in global economic environmental and societal contexts • Committing to social responsibility as a professional and a citizen • Evaluating ethical, socially responsible and/or sustainable challenges and generating and articulating responses • Embracing lifelong, life-wide and life-deep learning to be open to diverse others • Implementing required actions to foster sustainability in their professional and personal life.	S3	AT1

Learning Task and Assessment:

Learning Outcomes Assessed	Assessment Tasks	Assessment Type	Weighting
K3, K5, S1 - S4, A2, A3	Comprehension assignments: Field studies describing an investigation, the approaches, the analysis and interpretation of data	Scientific report(s)	30 - 50%
K2, S4, A3	Research and communication assignment: research topical issues in animal health and prepare an oral report	Oral Presentation	5 - 20%
K1 - K5, S4, A1, A3	Knowledge of unit material	Online test	40 - 60%

Adopted Reference Style:

Australian Harvard

Refer to the library website for more information

Fed Cite - [referencing tool](#)