

**City University of Hong Kong
Course Syllabus**

**offered by Department of Infectious Diseases and Public Health
with effect from Semester B 2020/21**

Part I Course Overview

Course Title: Animal Welfare

Course Code: VM 2002

Course Duration: 1 Semester

Credit Units: 3 credits

Level: B2

Arts and Humanities

Study of Societies, Social and Business Organisations

Science and Technology

Proposed Area:
(for GE courses only)

Medium of Instruction: English

Medium of Assessment: English

Prerequisites:
(Course Code and Title) Nil

Precursors:
(Course Code and Title) Nil

Equivalent Courses:
(Course Code and Title) Nil

Exclusive Courses:
(Course Code and Title) Nil

Part II Course Details

1. Abstract

(A 150-word description about the course)

By the end of this course students will have learnt the fundamentals of animal welfare science, animal welfare judge and assessment, and how it relates to animal ethics and behavior. Students will understand that provision for an animal's welfare must be determined on a species-specific basis and be able to describe these within the common animal welfare terminology (e.g., Five Freedoms). They will have a sound understanding of the use of assessing animal welfare status. They will have gained an understanding of typical problems such as breed associated conditions and reproductive technologies. They will also learn about the appropriateness of euthanasia being applied in a variety of scenarios and species.

2. Course Intended Learning Outcomes (CILOs)

(CILOs state what the student is expected to be able to do at the end of the course according to a given standard of performance.)

No.	CILOs [#]	Weighting* (if applicable)	Discovery-enriched curriculum related learning outcomes (please tick where appropriate)		
			A1	A2	A3
1.	Apply basic concepts of animal welfare across a range of species			✓	
2.	Identify the principles of animal welfare science and describe how concepts such as sentience, ethics, behaviour, pain, husbandry, and management relate to the welfare of animals			✓	
3.	Apply commonly used welfare assessment techniques and evaluate their appropriate use for a species, a population or an individual			✓	
4.	Discuss the importance of stakeholders in identifying, managing, and protecting animal welfare, with particular attention given to pain management, euthanasia, and breed associated conditions.			✓	✓
		100%			

* If weighting is assigned to CILOs, they should add up to 100%.

[#] Please specify the alignment of CILOs to the Gateway Education Programme Intended Learning outcomes (PILOs) in Section A of Annex.

A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to self-life problems.

A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing/constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

3. Teaching and Learning Activities (TLAs)

(TLAs designed to facilitate students' achievement of the CILOs.)

TLA	Brief Description	CILO No.				Hours/week (if applicable)
		1	2	3	4	
Lectures	Lectures covering the designed learning contents for the course.	✓	✓	✓	✓	3 hours × 9 weeks 27 hours in total
Tutorials	Tutorials designed for the demonstration of animal welfare judge and assessment.	✓	✓	✓	✓	2 hours × 3 weeks 6 hours in total
Field Trips	Visits to animal facilities (e.g., LARU, Ocean Park, animal shelter,) for the introduced animals, e.g., laboratory animals, zoo animals, companion animals,.	✓	✓	✓	✓	3 field trips in total 2 hours per field trip 6 hours in total

4. Assessment Tasks/Activities (ATs)

(ATs are designed to assess how well the students achieve the CILOs.)

Assessment Tasks/Activities	CILO No.				Weighting*	Remarks
	1	2	3	4		
Continuous Assessment: 50%						
Essay	✓	✓	✓	✓	15%	
Presentations	✓	✓	✓	✓	15%	
Field trips and reports	✓	✓	✓	✓	20%	
Examination: 50% (duration: 2 hr, if applicable)						
					100%	

* The weightings should add up to 100%.

5. Assessment Rubrics

(Grading of student achievements is based on student performance in assessment tasks/activities with the following rubrics.)

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B, B-)	Fair (C+, C, C-)	Failure (F)
Essay	Understanding of the principles of animal welfare science, welfare judge and assessment, and how these relate to management, husbandry, behavior, and ethics. Ability to present those in written form.	Demonstrates a high level of perception of ethical and welfare issues and ability to describe those issues in written form	Demonstrates a well-developed level of perception of ethical and welfare issues and ability to describe those issues in written form	Demonstrates a basic level of perception of ethical and welfare issues and ability to describe those issues in written form	Demonstrates a lack of ability to perceive ethical and welfare issues and to describe those issues in written form
Presentations	Understanding of the principles of animal welfare science, welfare judge and assessment, and how these relate to management, husbandry, behavior, and ethics. Ability to present those in oral presentation form.	Demonstrates a high level of perception of ethical and welfare issues and ability to describe those issues in oral presentation form	Demonstrates a well-developed level of perception of ethical and welfare issues and ability to describe those issues in oral presentation form	Demonstrates a basic level of perception of ethical and welfare issues and ability to describe those issues in oral presentation form	Demonstrates a lack of ability to perceive ethical and welfare issues and to describe those issues in oral presentation form
Field trips and reports	Perception of welfare issues during field trips and the ability to present those perceptions lucidly and logically in written form.	Demonstrates a high level of perception of ethical and welfare issues and ability to describe those issues in written form	Demonstrates a well-developed level of perception of ethical and welfare issues and ability to describe those issues in written form	Demonstrates a basic level of perception of ethical and welfare issues and ability to describe those issues in written form	Demonstrates a lack of ability to perceive ethical and welfare issues and to describe those issues in written form
Examination	Understanding of the principles of animal welfare science, welfare judge and assessment, and how these relate to management, husbandry, behavior, and ethics. Ability to apply animal welfare assessment techniques to a range of problems	Demonstrates a highly developed knowledge and understanding about animal welfare	Demonstrates a well-developed knowledge and understanding about animal welfare	Demonstrates a basic knowledge and understanding about animal welfare	Demonstrates a lack of knowledge and understanding about animal welfare

Part III Other Information (more details can be provided separately in the teaching plan)

1. Keyword Syllabus

(An indication of the key topics of the course.)

Animal welfare science, welfare judge and assessment, production animal, laboratory animal, companion animal, working animal, exotic animal, pain management and euthanise, animal slaughter, ethics dilemma.

2. Reading List

2.1 Compulsory Readings

(Compulsory readings can include books, book chapters, or journal/magazine articles. There are also collections of e-books, e-journals available from the CityU Library.)

1.	Reading materials on Canvas
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2.2 Additional Readings

(Additional references for students to learn to expand their knowledge about the subject.)

1.	Benson GH and Rollin BE. (2004). <i>The wellbeing of farm animals</i> . Blackwell Publishing.
2.	Mellor D, Patterson-Kane E, Stafford K. (2009). <i>The Sciences of Animal Welfare (UFAW Animal Welfare)</i> .
3.	Michael C. Applely, etc., (2018) <i>Animal Welfare 3rd Edition</i>
4.	OIE (2005). <i>Animal Welfare: Global issues, trends & challenges Scientific and Technical Review</i> .
5.	David J. Mellor. (2017). <i>Operational Details of the Five Domains Model and Its Key Applications to the Assessment and Management of Animal Welfare</i> . Animals
6.	<i>AVMA Guidelines for the Euthanasia of Animals: 2020 Editor</i>
7.	Recent Animal Welfare resources new to the Library are listed on course Canvas page.