

City University of Hong Kong
Course Syllabus

offered by Department of Veterinary Clinical Sciences
with effect from Semester A 2020/21

Part I Course Overview

Course Title: Animal Health and Disease: Part II

Course Code: VM 4102

Course Duration: 1 semester

Credit Units: 18 credits

Level: B4

Arts and Humanities

Proposed Area: Study of Societies, Social and Business Organisations
(for GE courses only) Science and Technology

Medium of Instruction: English

Medium of Assessment: English

Prerequisites: Completion of Year 4 courses with C grade or above
(Course Code and Title)

Precursors: Nil
(Course Code and Title)

Equivalent Courses: Nil
(Course Code and Title)

Exclusive Courses: Nil
(Course Code and Title)

Part II Course Details

1. Abstract

(A 150-word description about the course)

Commencing with sections on Clinical Pathology and Fluid and Electrolyte Disorders, the course progresses to population medicine, internal medicine, basic surgery, anaesthesiology, radiology, cardiology, ophthalmology, dermatology, theriogenology and so on as detailed below, with each speciality including relevant aspects of applied pharmacology. The number of lecture hours varies according to the specialty area. The course is presented on a systems basis, focusing on clinical examination to detect the signs of alteration in function, pathophysiology of clinical signs and therapeutics including strategies for the diagnosis and treatment of the most important veterinary diseases. Surgical laboratories focus on abdominal exploratory procedures. Other labs are held, varying with the section.

Part I

<i>Clinical Pathology</i>	<i>Fluids, Electrolytes and Acid-Base</i>	<i>Population Medicine</i>
<i>Introduction to Surgery</i>	<i>Introduction to Imaging</i>	<i>Cardiology</i>
<i>Respiratory</i>	<i>Dermatology</i>	<i>Ophthalmology</i>
<i>Surgical Exercises and other labs</i>		<i>Quantitative Epidemiology</i>

Part II

<i>Endocrine</i>	<i>Haematology</i>	<i>Urology</i>
<i>Exotic species</i>	<i>Gastro Intestinal</i>	<i>Liver</i>
<i>Dentistry</i>	<i>Musculoskeletal</i>	<i>Neurology</i>
<i>Theriogenology</i>	<i>Oncology</i>	<i>Small animal infectious diseases</i>
<i>Mastitis</i>	<i>Primary Care</i>	<i>Emergency and Critical Care</i>
<i>Poultry health and disease</i>		<i>Organic Farm veterinary issues</i>
<i>Herd Health</i>		<i>Restorative Medicine</i>

This course provides a sound foundation for clinical rotations in later parts of the program. A variety of pedagogical techniques are used, including lectures, live animal e, cadaver and mannequin laboratories, wet lab exercises, dry lab exercises and discussion, demonstrations, large group case discussions and auto-tutorials.

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.	Student can integrate the clinical sciences of medicine, surgery, anaesthesiology, radiology, and theriogenology with systems pathology and relevant aspects of applied pharmacology.	50%	✓	✓	✓
2.	Student can establish a cognitive framework based on underpinning knowledge of the most important diseases of animals.	50%	✓	✓	✓

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

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			
Lectures	Lectures will provide essential facts	✓	✓			10 hrs/wk
Laboratories	The laboratory practical sessions provide students with opportunities to understand, perform and report findings	✓	✓			4 hrs/wk
Demonstrations	This allow the students to understand the practical parts of the topics covered	✓	✓			2 hrs/wk
Case discussion	Case discussion will allow students to integrate various clinical medicine disciplines in approach to deal with diseases	✓	✓			2 hrs/wk
Autotutorials	This allow students to have indepth studies of various aspects of animal diseases being studied	✓	✓			2 hrs/wk

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				
Continuous Assessment: 50%						
13 weekly tests: Multiple choice, True/False, weighted choice, short answer, fill in the blank, essay, in-class and take home	✓	✓			50%	
Examination: 50% (duration: 3 hours x 3)						
* The weightings should add up to 100%.					100%	

[#] Students must pass each examination and the continuous assessment as a whole to pass the course as a whole

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)	Failure (F)
1. Weekly tests	Student can integrate the clinical sciences of medicine, surgery, anaesthesiology, radiology, and theriology with systems pathology and relevant aspects of applied pharmacology to establish a cognitive framework applicable to particular disease situations.	Excellent in understanding and ability to develop and explain differential diagnoses, definitive diagnoses, treatment options, and treatment plans.	Good in understanding and ability to develop and explain differential diagnoses, definitive diagnoses, treatment options, and treatment plans.	Has basic understanding and ability to develop and explain differential diagnoses, definitive diagnoses, treatment options, and treatment plans.	Weak understanding and ability to develop and explain differential diagnoses, definitive diagnoses, treatment options, and treatment plans.
2. Examinations	Student can integrate the clinical sciences of medicine, surgery, anaesthesiology, radiology, and theriology with systems pathology and relevant aspects of applied pharmacology to establish a cognitive framework applicable to particular disease situations.	Excellent in understanding and ability to develop and explain differential diagnoses, definitive diagnoses, treatment options, and treatment plans.	Good in understanding and ability to develop and explain differential diagnoses, definitive diagnoses, treatment options, and treatment plans.	Has basic understanding and ability to develop and explain differential diagnoses, definitive diagnoses, treatment options, and treatment plans.	Weak understanding and ability to develop and explain differential diagnoses, definitive diagnoses, treatment options, and treatment plans.

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 health, disease, pathology, veterinary pharmacology, medicine, surgery, anaesthesiology, radiology, theriogenology, therapy

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.	Cornell School of Veterinary Medicine digital class notes and lecture notes
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2.2 Additional Readings

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

1.	None
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