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: Clinical Rotations: Part II

Course Code: VM 4302

Course Duration: 1 semester

Credit Units: 18 credits

Level: B4

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

Medium of Instruction: English

Medium of Assessment: English

Prerequisites:
(Course Code and Title) Completion of Year 5 courses with C grade or above

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)

A semester-long clinical experience consisting of rotation through a selection of available clinics that allow the students to acquire and deepen their clinical skills through the practical application of techniques and knowledge acquired in the previous years of their veterinary studies. This continues the experience first offered at the end of the fifth year of study, offering further rotational clinical experience.

This will be an opportunity to combine all the skills sets obtained and apply them to a realistic clinical setting, whilst still under the observation of an academic institution. The medicine rotations will involve application of skills in clinical examination and diagnosis, clinical medicine, clinical pathology, therapeutics, pharmacy, and veterinary certification relevant to the particular class of animal.

Students will be able to choose from amongst a range of available rotations, some of which will be core (mandatory) to their clinical experience, while others will be offered as demand and availability will dictate. A list of available core and elective (*) rotations is offered below but may be subject to change:

Core Intramural	**Elective***
Small Animal Medicine	Medicine and Surgery of the Performance Horses[#]
Ruminant Medicine	Exotic and Zoo Animal Medicine
Equine Medicine	Disease Surveillance and Response
Intensive Livestock	Advanced Small Animal Medicine
Emergency and Critical Care	Advanced Small Animal Surgery
Soft Tissue Surgery	Advanced Ruminant Medicine and Surgery
Orthopaedic Surgery	Advanced Medicine of Aquatic Livestock
Anaesthesiology	Advanced Digital Imaging
Pathology	Advanced Food Safety
Diagnostic Imaging	Advanced Animal Welfare and Shelter Medicine
Veterinary Public Health	Transboundary Veterinary Medicine[#]

[*]Electives are subjected to availability
[#]Dependent on participation by extramural veterinary groups

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.	Complete SOAP (**S**ubjective **O**bjective **A**ssessment and **P**lan) note for each clinical case		✓	✓	✓
2.	Carrying out assigned diagnostic (imaging, clinical pathology etc) procedures and interpretation of results		✓	✓	✓
3.	Manage medical treatment		✓	✓	✓
4.	Perform assigned surgeries such as spay and neuter including anaesthesia		✓	✓	✓
5.	Do necropsies and write up a report		✓	✓	✓
6.	Acquiring knowledge in food and aquatic animal production systems, herd health programs and diseases		✓	✓	✓
7.	Knowledgeable in essential topics in veterinary theriogenology		✓	✓	✓
** 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	3	4	5	6	7	
Clinical round	Students will discuss cases with supervisors on clinical rounds	✓	✓	✓	✓	✓	✓	✓	
Diagnostic procedures/tests	Students will carry out diagnostic procedures/tests and interpretation of results under supervision of clinicians		✓						
Medical treatments	Students will treat patients under supervision of supervising clinicians			✓					

Surgeries	Students will perform surgeries under supervision of supervising clinicians				✓				
Farm calls	Students will call on food and aquatic animal farms with clinicians to learn about production system, herd health, disease diagnosis and treatment of sick animals	✓	✓	✓	✓	✓	✓	✓	
Necropsies	Students will do necropsies and writing up reports of findings					✓			

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	5	6	7		
Continuous Assessment: 100%									
Clinical rounds^	✓	✓	✓	✓	✓	✓		30%	
Medical treatments^			✓					15%	
Surgeries^				✓				15%	
Necropsies^					✓			15%	
Farm calls^					✓	✓	✓	25%	
Examination: None									
** The weightings should add up to 100%.*								100%	

^ *Students must achieve a pass mark in each assessment task 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. Clinical round	Complete SOAP note	Excellent capability in completion of SOAP Notes	Good capability in completion of SOAP Notes	Basic competence in completion of SOAP Notes	Inadequate completion of SOAP Notes
2. Diagnostic procedures/tests	Carry out tasks correctly	Excellent capability in techniques and interpretations of results	Good capability in techniques and interpretations of results	Basic competence in techniques and interpretations of results	Inadequate performance of techniques and interpretations of results
3. Medical treatments	Giving proper medical treatment including using correct procedures, drug dosage etc.	Excellent ability to carry out medical treatment using correct procedures and drug dosages	Good ability to carry out medical treatment using correct procedures and drug dosages	Basic ability to carry out medical treatment using correct procedures and drug dosages	Inability to carry out medical treatment using correct procedures and drug dosages
4. Surgeries	Perform assigned surgeries and assist surgeons in complicated surgeries	Excellent surgical techniques	Good surgical techniques	Basic competence in surgical techniques	Inability to correctly perform surgical techniques
5. Farm calls	Knowledge about production system, herd health, disease diagnosis and treatment of sick animals	Excellent knowledge	Good knowledge	Adequate knowledge	Inadequate knowledge
6. Necropsies	Do necropsies and write up the findings	Excellent application of techniques and reporting of results	Good application of techniques and reporting of results	Adequate application of techniques and reporting of results	Inability to correctly perform techniques and report results

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, pharmacology, theriogenology, therapy, surgery, necropsy

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 College of Veterinary Medicine lecture notes

2.2 Additional Readings

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

1.	Ettinger, S. J. and Feldman, E. C. eds. (2010). *Textbook of Veterinary Internal Medicine*, 7th ed. Philadelphia: W.B. Saunders.
2.	Maxie, M.G., ed. *Jubb, Kennedy, and Palmer's Pathology Of Domestic Animals*, 6th ed. St. Louis, MO; Elsevier.
3.	Cockcroft, P. ed. (2015). *Bovine Medicine*, 3rd ed. Wiley.
4.	Mann, F., Constantinescu, G. and Yoon, H-Y. (2011). *Fundamentals of Small Animal Surgery*. Wiley-Blackwell, Chichester.
5.	Veterinary journals such as, Journal of the American Veterinary Medical Association Veterinary Record.