

VM4010: VETERINARY PRACTICE & PROFESSIONAL STUDIES 2

Effective Term

Semester B 2025/26

Part I Course Overview

Course Title

Veterinary Practice & Professional Studies 2

Subject Code

VM - Jockey Club College of Veterinary Medicine and Life Sciences

Course Number

4010

Academic Unit

Veterinary Clinical Sciences (VCS)

College/School

Jockey Club College of Veterinary Medicine and Life Sciences (VM)

Course Duration

One Semester

Credit Units

3

Level

B1, B2, B3, B4 - Bachelor's Degree

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

Completion of Year 3 courses with grade C or above

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

Nil

Part II Course Details

Abstract

This course is divided into three modules.

The "**communication**" module introduces students to information literacy, data management and artificial intelligence as applied to medical record keeping and to more advanced communication skills and techniques necessary for effective communication with clients.

The "**diagnostic imaging**" module introduces the physics of diagnostic imaging & radiation safety (lectures), the interpretation of diagnostic images (tutorials), the appropriate and safe use of medical imaging equipment in accordance with relevant legislation (practicals).

The "**clinical & surgical skills**" module follows the teaching of surgical skills taught in Veterinary Practice & Professional Studies 1 (VM3010). The surgical skills include (but are not limited to) advanced suture patterns, ligation techniques and hand ties. These skills are mandatory prerequisites for learning surgical techniques on live animals.

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Describe, explain, and demonstrate appropriate oral and written communication strategies in order to be able to communicate with a client during consultation effectively and to create professional medical records.		x	x	x
2	Explain the principles of physics that underpin image generation (using different diagnostic imaging modalities) in order to procure images of optimal diagnostic quality safely and in accordance with relevant legislation.		x		
3	Apply the basic principles of diagnostic imaging and anatomy (in small and large animals) in order to describe and identify normal and abnormal structures, interpret imaging patterns, and create professional diagnostic imaging reports.		x	x	x
4	Identify, select, and justify the use of surgical instruments, suture materials, and suture patterns and perform surgical procedures in small and large animals.		x	x	x
5	Describe, and demonstrate basic clinical skills in small and large animals in order to perform simple surgical procedures, IV catheter placement, bandaging, radiography, and ultrasonography techniques safely and in accordance with relevant legislation.		x	x	x

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 real-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.

Learning and Teaching Activities (LTAs)

LTAs		Brief Description	CILO No.	Hours/week (if applicable)
1	Lectures	Students will engage in teacher-controlled lecture activities to learn about communication (i.e., oral and written strategies) and diagnostic imaging (i.e., radioprotection, radiography, and ultrasonography) and in self-controlled lecture activities to revise and learn basic clinical and surgical skills.	1, 2, 4, 5	5 hours total
2	Case discussions and tutorials*	Students will engage in structured case discussions and tutorial activities about oral and written communication strategies and diagnostic imaging interpretation (small and large animals).	1, 3	7.5 hours total
3	Practical labs*	Students will engage in practical activities to develop basic clinical, surgical, and imaging skills (small and large animals).	3, 4, 5	22.5 hours total
4	Clinics*	Students will engage in clinical activities to identify, illustrate, and apply their knowledge in communication, diagnostic imaging, and radiation safety within a veterinary teaching hospital.	1, 2, 5	4 hours total

Additional Information for LTAs

*These are participation and engagement-required LTA sessions. Students can be absent, whether excused or unexcused, from at most one participation and engagement-required LTA session per course per semester. Additional absence(s) from these session(s) will constitute a course failure. Exceptional cases with supporting evidence will be considered on a case-by-case basis by the course leader and BVM Programme Leader as appropriate. Permission to make up missed LTAs may be granted for excused absences only. Unexcused absences do not entitle students to any make-up or alternative arrangements. Students are responsible for arriving to course LTAs on time. Late arrival will be considered as absence or poor participation and engagement.

Unauthorized cell phone use and social media posting are strictly FORBIDDEN during LTAs.

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("- " for nil entry)	Allow Use of GenAI?
1	Quizzes	1, 2, 3, 4, 5	45	Quiz #1 - Basic clinical skills & Medical imaging (25%) Quiz #2 - Communication (incl. AI) (20%)	No
2	Practical Examination (OSCEs)	4, 5	15	"Must-pass" *	No
3	Written Examination	1, 2, 3, 4, 5	0	Weighting: 40%	No

Continuous Assessment (%)

60

Examination (%)

40

Examination Duration (Hours)

1.5

Additional Information for ATs

* A failing grade in the Practical Examination (OSCEs) will lead to an overall F grade for the entire course. Students must pass the Practical Examination before live animal surgery.

A penalty of 5% of the total marks for the assessment task will be deducted per working day for late submissions, and no marks will be awarded for submissions more than 10 working days late.

Students who are unable to attend an examination or in-course assessment task contributing a weighting of 20% or above to the course assessment scheme due to extenuating circumstances defined under "Absence Reporting" should inform their course leader(s) and the BVM Programme Office and submit a mitigation request with supporting documents via AIMS within 5 working days of the examination or the scheduled date for completing the in-course assessment task. If approved, make-up or alternative assessment arrangements will be provided.

Assessment Rubrics (AR)**Assessment Task**

OSCE assessment

Criterion

Demonstrates safety and competency in practical skills manner.

Excellent (A+, A, A-)

Excellent execution of task with few or no errors. No safety concerns.

Good (B+, B, B-)

Good execution of task, with some minor permissible errors. No safety concerns.

Fair (C+, C, C-)

(For C+, C) Adequate execution of task, but with more significant errors. No safety concerns.

See additional information for AR regarding mark range below, as in the BVM programme only C+ and C grades are awarded.

Marginal (D)

Not applicable for the BVM programme

Failure (F)

Fails to demonstrate appropriate level of competency in practical procedures or completes procedures in an unsafe manner.

Assessment Task

Written Examination and Quizzes

Criterion

Demonstrate knowledge of diagnostic imaging, communication and basic surgery.

Excellent (A+, A, A-)

Excellent knowledge for the stage in the course, able to discuss aspects of imaging, communication, and basic surgery to a high level.

Good (B+, B, B-)

Good knowledge for stage in course, able to discuss aspects of imaging, communication and basic surgery but some minor errors.

Fair (C+, C, C-)

(For C+, C) Acceptable knowledge for stage in course, able to discuss aspects of imaging, communication and basic surgery but some minor errors.

See additional information for AR regarding mark range below, as in the BVM programme only C+ and C grades are awarded.

Marginal (D)

Not applicable for the BVM programme

Failure (F)

Poor knowledge, inability to discuss radiation physics, lack of awareness of safety, poor knowledge of communication skills and relevant basic surgical techniques.

Additional Information for AR

Mark Range

The following is the mark range for each letter grade that must be used for assessment of any examinations or coursework of BVM courses (VM- and GE-coded) offered by PH and VCS.

A+: $\geq 92\%$

A: $\geq 87-91.99\%$

A-: $\geq 82-86.99\%$

B+: $\geq 75-81.99\%$

B: $\geq 68-74.99\%$

B-: $\geq 61-67.99\%$

C+: $\geq 54-60.99\%$

C: $\geq 50-53.99\%$

F: $< 50\%$

Part III Other Information

Keyword Syllabus

Client communication

Medical record keeping

Basic clinical skills

Surgical skills

Diagnostic imaging

Radiation safety

Reading List

Compulsory Readings

Title	
1	Lecture materials and accompanying notes provided by lecturers (if applicable)

Additional Readings

Title	
1	Nil