VM4010: VETERINARY PRACTICE & PROFESSIONAL STUDIES 2

Effective Term

Semester B 2024/25

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 in small and large animals (tutorials), the appropriate and safe use of medical imaging equipment in accordance with relevant legislation (practicals).

The "surgical skills" module follows the teaching of surgical skills taught in Veterinary Practice & Professional Studies 1 (VM3010). These 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 | Х |
| 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 | Х |
| 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 | Х |

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 | 5.5 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 | 9 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 | 20 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 | 4.5 hours total | |

Additional Information for LTAs

*Practical labs, clinics, case discussions and tutorials are COMPULSORY. Students can be absent from no more than one of these sessions per semester. Additional absence(s) from these session(s) constitute a course failure. Permission to make up missed practical labs, clinics, case discussions and tutorials may be granted for excused absences only and only where feasible (i.e., may not be possible for live animal classes). 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 may be considered as absence.

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

Assessment Tasks / Activities (ATs)

Written Examination (1.5

1, 2, 3, 4, 5

Continuous Assessment (%)

60

4

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 should inform their course leader 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

Written Assignments: Medical record

Criterion

Create a complete and accurate clinical record.

Excellent (A+, A, A-)

All relevant information included for history, physical examination and plan. Accurately described. Well-structured and clear. Excellent use of appropriate terminology (i.e., no lay terms where professional terms exist).

Good (B+, B, B-)

Most relevant information included for history, physical examination and plan with minor omissions. Good structure, needing some refinement. Uses appropriate terminology most of the time.

Fair (C+, C, C-)

Some relevant information included for history, physical examination and plan with

omissions. Some irrelevant information included. Adequate structure but could be clearer, some confusion about definition of categories. Some use of appropriate terminology but uses too many lay terms.

Failure (F)

Insufficient detail of history, physical examination and plan. Significant omissions of important information or lots of irrelevant information included. Poorly structured with very poor use of appropriate terminology, almost entirely lay terms.

Assessment Task

Written Assignments: Communication skills reflective assignment

Criterion

Write a reflective essay on a situation involving face-to-face communication that you have been involved in or observed. Reflect on what was good and what was less good, and how you or the person you were observing could improve their communication strategies in a similar situation in the future.

Excellent (A+, A, A-)

The event is described and critically analyzed and reflected upon including analysis of emotional responses and impacts. Personal experience is placed into context and informed by theory, including the consideration of different perspectives. The writer demonstrates the impact of the experience on their personal development and the resulting change or intended change in their own practice.

Excellent structure, very well thought out. References cited, if applicable, no errors.

Good (B+, B, B-)

The event is described, analysed and reflected upon (this can include any emotional response), including how this emotion may have affected the interaction. Simple improved outcomes are identified with reference to theory, and the writer proposes changes or intended changes to their own practice. (e.g., "I was stressed by this situation and did not communicate well. In future I will use eye contact and open-ended questions...")

Well thought out structure, easy to follow and logical flow. References cited, if applicable, but with minor errors.

Fair (C+, C, C-)

The event is described, and an emotional response is discussed. Some reflection on the event and how outcomes might be improved upon.

Obvious flow and structure to the essay. References cited, if applicable, but with major errors.

Failure (F)

Event very poorly described and no reflection.

Poorly organised and difficult to read. Poor or no reference selection.

Assessment Task

Practical Examination ("Must-pass")

Criterion

Safely and correctly demonstrate clinical procedures (such as surgical preparation, sutures, ligation, IV catheter placement, bandaging techniques, radiographic positioning, etc.) to a standard considered acceptable to perform such procedures in live animals under direct supervision.

Excellent (A+, A, A-)

Demonstrates excellent competence in selected clinical procedures, sufficient to perform procedures in live animals under direct supervision.

Good (B+, B, B-)

Demonstrates good competence in selected clinical procedures, sufficient to perform procedures in live animals under direct supervision.

Fair (C+, C, C-)

Demonstrates competence in selected clinical procedures sufficient to perform procedures in live animals under direct supervision.

Failure (F)

Demonstrates lack of competence in selected clinical procedures, not competent to progress to performing procedures in live animals under direct supervision.

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-)

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

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+: ≥92%

 $A: \geq 87-91.99\%$

 $A : \ge 82 - 86.99\%$

B+: \geq 75-81.99%

B: ≥68-74.99%

B-: ≥61-67.99%

C+: ≥54-60.99%

C: ≥50-53.99%

F:<50%

Part III Other Information

Keyword Syllabus

Client communication

7 VM4010: Veterinary Practice & Professional Studies 2

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 |