

# VM1005: CLINICAL EXTRA-MURAL STUDIES

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## Effective Term

Semester B 2022/23

## Part I Course Overview

### Course Title

Clinical Extra-mural Studies

### Subject Code

VM - Jockey Club College of Veterinary Medicine and Life Sciences

### Course Number

1005

### Academic Unit

Veterinary Clinical Sciences (VCS)

### College/School

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

### Course Duration

Non-standard Duration

### Other Course Duration

20 weeks in Years 5 and 6

### Credit Units

0

### Level

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

### Medium of Instruction

English

### Medium of Assessment

English

### Prerequisites

VM1004 Pre-clinical Extra-mural Studies

### Precursors

Nil

### Equivalent Courses

Nil

### Exclusive Courses

Nil

## Part II Course Details

### Abstract

The clinical EMS programme is a 20-week clinical educational partnership programme with the veterinary profession, government and industry. The programme is comprised of four 4-week and one 2-week elective placements and one core 2-week Public Health, Industry/Community placement servicing the livestock industries and/or public health. Apart from the core rotation, students can choose placements to suit their career interests.

This will occur in years 5 and 6 after students have received their formal clinical teaching in VM4114 Small Animal Clinical Studies 2, VM4115 Equine Medicine and Surgery, VM4116 Production Animal Clinical Studies, and VM4011 Veterinary Practice & Professional Studies 3. The six-week Pre-clinical EMS conducted in Year 4 acts as the preparatory phase for this course. Oversight of Clinical EMS will be provided by the JCC EMS Coordinator. At the EMS placement, one veterinarian will be the Placement Supervisor and will be the major point of contact for the JCC Pre-Clinical and Clinical EMS Coordinator and for the student. During Clinical EMS placements, the students will work under the day-to-day direction of the Placement Supervisor, who may also assign the student to work with other clinicians on a one-to-one basis.

With the permission of the owners, in accordance with the policy of the particular practice, and within the legal constraints of the Veterinary Surgeons' Registration Ordinance, students will participate in, under the close and direct supervision of a registered veterinary surgeon, the history taking, clinical examination, diagnosis, treatment, and surgery of animals and the recording of case data. Students will also familiarize themselves with the veterinary clinic/hospital design and business model, the services provided, pharmacy management, teamwork, professional behaviour, animal management, and patient record management systems.

Students will undertake their 20 weeks of Clinical EMS in two 2-week blocks and four 4-week blocks with each block being undertaken at school-approved external locations. Some of the establishments will be outside of Hong Kong. One of the two-week blocks will be undertaken at an approved public, industry, or community agency servicing the livestock industries and/or public health. The five remaining blocks of placements are elective placements chosen by the students in areas of their career interest.

Both Pre-clinical EMS and Clinical EMS make a major contribution towards the development of the competencies, skills and attributes required by the Australasian Veterinary Boards Council (AVBC) of veterinary graduates. It also contributes to the development of the general professional skills and attributes, practical and clinical competencies expected by the Royal College of Veterinary Surgeons (RCVS) of newly qualified graduates. Pre-clinical EMS and Clinical EMS will also contribute to the underpinning knowledge and understanding required by RCVS in relation to the development of effective interpersonal skills and an ethical approach to animals and veterinary practice.

### Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Develop a sound understanding of the organization, management and legislation related to the veterinary placement, including standard operating procedures, biosecurity protocols and safety measures.		x	x	x
2	Demonstrate competence in taking patient histories including all relevant background information and history specific to the presenting complaint.		x	x	x
3	Demonstrate competence in performing a complete clinical examination and assessing the physical condition, welfare and nutritional status of an animal or group of animals.		x	x	x
4	Identify and assess problems from a patient's history, clinical examination and laboratory test results and synthesize a list of ranked differential diagnoses to inform the diagnostic plan.		x	x	x

5	Synthesize diagnostic, preventative and therapeutic plans and apply these for the health and wellbeing of animals appropriate to the context.		x	x	x
6	Participate in the acquisition of diagnostic test data using a range of diagnostic techniques.		x	x	x
7	Demonstrate competence in the collection, preservation and transportation of samples, selection of appropriate diagnostic tests and interpretation of test results including understanding limitations of diagnostic tests.		x	x	x
8	Apply knowledge and understanding of the principles of anaesthesia, analgesia and aseptic surgery to participate in veterinary procedures under the direct supervision of a registered veterinarian, where appropriate to the context, and in compliance with relevant legislation.		x	x	x
9	Be fully conversant with and follow the RCVS Code of Professional Conduct.		x	x	x
10	Communicate effectively with clients, the public, professional colleagues and responsible authorities using language appropriate to the audience concerned.		x	x	x
11	Apply a knowledge and understanding of the RCVS ten principles of certification to veterinary practice. ( <a href="https://www.rcvs.org.uk/setting-standards/advice-and-guidance/code-of-professional-conduct-for-veterinary-surgeons/supporting-guidance/certification/">https://www.rcvs.org.uk/setting-standards/advice-and-guidance/code-of-professional-conduct-for-veterinary-surgeons/supporting-guidance/certification/</a> )		x	x	x
12	Demonstrate and apply an understanding of the legislation and current guidelines in relation to the prescription and dispensing of veterinary medicines.		x	x	x
13	Demonstrate a sound knowledge of the mechanisms for reporting suspected adverse reactions and notifiable zoonotic diseases.		x	x	x
14	Engage in reflective practice, professional development and self-regulation to attend to personal wellbeing.			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.

**Teaching and Learning Activities (TLAs)**

TLAs		Brief Description	CILO No.	Hours/week (if applicable)
1	Training and observation	Clinical placements at veterinary establishments.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	Typically 40 hr/wk

**Additional Information for TLAs****Placement requirements**

**Category:** Public, Industry, or Community Placement

**Placement:** School approved public, industry, or community body/agency servicing the livestock industries and/or public health.

**Duration:** 2 weeks

**Year of Programme:** 5 & 6

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**Category:** Extramural Placement 1

**Placement:** School approved external location linked to the student's career interest area

**Duration:** 4 weeks

**Year of Programme:** 5 & 6

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**Category:** Extramural Placement 2

**Placement:** School approved external location linked to the student's career interest area

**Duration:** 4 weeks

**Year of Programme:** 5 & 6

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**Category:** Extramural Placement 3

**Placement:** School approved external location linked to the student's career interest area

**Duration:** 4 weeks

**Year of Programme:** 5 & 6

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**Category:** Extramural Placement 4

**Placement:** School approved external location linked to the student's career interest area

**Duration:** 4 weeks

**Year of Programme:** 5 & 6

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**Category:** Extramural Placement 5

**Placement:** School approved external location linked to the student's career interest area

**Duration:** 2 weeks

**Year of Programme:** 5 & 6

**Assessment Tasks / Activities (ATs)**

ATs		CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1	Formal Supervisor Feedback (one for each placement)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	80	
2	Reflective Diary of experiences (one for each placement)	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 13, 14	10	
3	Activity log (one for each placement)	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13	10	

**Continuous Assessment (%)**

100

**Examination (%)**

0

**Additional Information for ATs**

## 1. Assessment Schedule

Students will maintain a reflective diary of experience to enable them to keep a record of the practical and clinical skills that they have acquired and developed both during EMS and during their clinical rotations. Students will also be required to submit activity logs of all cases in which they have participated in health care provision (e.g. vaccination), diagnosis and/or treatment of. The supervising veterinarian, in consultation with other veterinarians in the practice, will assess the performance of each student using a Student Clinical EMS Placement Supervisor Report Form. The EMS Coordinator will consider the contents of the activity log, reflective diary of experiences and the supervisor report form, and if they are unfavourable to the student, discuss the situation with the student before determining whether the student's performance at the particular placement was unsatisfactory or not. A PASS grade will be appeared on a student's transcript for satisfactory performance, whereas an unsatisfactory performance requires that the particular category of placement be repeated.

## 2. Attendance Requirement

Students are required to attend each 2-week placement for a minimum of 9 days, and each 4-week placement for a minimum of 18 days. If students fail to meet the minimum attendance requirement, they are required to make up the days of absence at the placement practice.

**Assessment Rubrics (AR)****Assessment Task**

Formal Supervisor Feedback

**Criterion**

Attain the expected level of progress for achieving competence in the following criteria by the end of each placement: Understanding and Application of Knowledge, Data Collection, Clinical Reasoning and Problem Solving, Skill Competency, and Professionalism, Interpersonal Skills and Communication Skills.

**Pass (P)**

Received an overall proficient or satisfactory grade in the EMS Placement Supervisor Report Form

**Failure (F)**

Received an overall unsatisfactory grade in the EMS Placement Supervisor Report Form

**Assessment Task**

Reflective Diary of experiences

**Criterion**

Reflective thinking

**Pass (P)**

The reflection explains the student's thinking about his/her own learning processes.

**Failure (F)**

The reflection does not address the student's thinking and/or learning.

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**Assessment Task**

Reflective Diary of experiences

**Criterion**

Analysis

**Pass (P)**

The reflection is an analysis of the learning experience and the value of the derived learning to self or others.

**Failure (F)**

The reflection does not move beyond a description of the learning experience.

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**Assessment Task**

Reflective Diary of experiences

**Criterion**

Making connections

**Pass (P)**

The reflection articulates connections between this learning experience and content from other courses, past learning experiences, and/or future goals.

**Failure (F)**

The reflection does not articulate any connection to other learning or experiences.

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**Assessment Task**

Activity Logs

**Criterion**

Demonstrate ability to describe the signalment of the patient

**Pass (P)**

Clearly describe the signalment of the patient seen, and consistently includes the species, breed, age, gender and neuter status.

**Failure (F)**

The signalment of the patient is not consistently complete.

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**Assessment Task**

Activity Logs

**Criterion**

Demonstrate ability to define the problems of patients from the history and physical examination.

**Pass (P)**

Consistently lists the presenting problems of the patients from the history and physical examination.

**Failure (F)**

Does not consistently list or identify the presenting problems of the patients from the history and physical examination.

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**Assessment Task**

Activity Logs

**Criterion**

Demonstrate ability to comprehend diagnostic investigations.

**Pass (P)**

Consistently lists the diagnostic tests performed to investigate the problems identified from the history and physical examination and describes, briefly, the major findings from those tests.

**Failure (F)**

Does not consistently list the diagnostic tests performed to investigate the problems identified from the history and physical examination and describes, briefly, the major findings from those tests.

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**Assessment Task**

Activity Logs

**Criterion**

Demonstrate ability to understand the diagnoses.

**Pass (P)**

Consistently lists the diagnosis of the problems of patients in the activity log.

**Failure (F)**

Does not consistently or accurately list the diagnosis of the problems of patients in the activity log.

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**Assessment Task**

Activity Logs

**Criterion**

Demonstrate ability to understand therapeutic approaches to cases.

**Pass (P)**

Consistently lists the therapy given for patients in the activity log, including drugs prescribed, surgical and other therapy.

**Failure (F)**

Does not consistently list the therapy given for patients in the activity log, including drugs prescribed, surgical and other therapy.

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**Assessment Task**

Activity Logs

**Criterion**

Outcome (followed until the end of rotation)

**Pass (P)**

Consistently lists the outcome of patients seen, followed until the end of the rotation.

**Failure (F)**

Does not consistently list the outcome of patients seen, followed until the end of the rotation.

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## Part III Other Information

**Keyword Syllabus**

EMS, Pre-clinical, Clinical, Extra-Mural Studies

**Reading List**

**Compulsory Readings**

Title	
1	Nil

**Additional Readings**

Title	
1	Nil