



Master

Program: Doctor of Veterinary Medicine

Course title Clinical Clerkship in Ruminant I

Course code VSCL 676

Academic degree level ☒ Bachelor ☐ Graduate Diploma ☐

☐ Higher Graduate Diploma ☐ Doctor

Faculty / College / Institute: Faculty of Veterinary Science

Department of Clinical Sciences and Public Health

TQF 4 Specification of Field Training Experience

Section 1 General Information

1. Course Code and Title

In Thai คลินิกปฏิบัติสัตว์เคี้ยวเอื้อง ๑

In English Clinical Clerkship in Ruminant I

2. Number of Credits

3

(Theory 0 hours , Lab/Practice 9 hours Self-study 3 hours / week)

3. Curriculum and Course Type

3.1 Program of Study Doctor of Veterinary Medicine

3.2 Course Type ☒ Compulsory Course ☐ Electives

4. Course Coordinator and Advisor of Field Training Experience

4.1 Course Coordinator Lect. Dr. Sineenard Jiemtaweewoon

Department of Clinical Sciences and Public Health

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Assoc.Prof. Dr. Sudsaijai Kornmatitsuk

Department of Clinical Sciences and Public Health

Phone number 024415242 ext. 1531

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4.2 Advisor of Field Training Experience

Assist. Prof. Chowalit Nakthong

Assoc. Prof. Dr. Bunlue Kornmatitsuk

Assoc.Prof. Dr. Jitkamol Thanasak

Assoc. Prof. Dr. Sudsaijai Kornmatitsuk



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Lect. Dr. Sineenard Jiemtaweeboon

Lect. Dr. Sarawut Taksinoros

5. Semester/The training experience required in the curriculum

5.1 Semester 1 – 2 / Class Level or year 2

5.2 Class capacity Approximately number of 80 students

6. Pre-requisite

VSCL 555

7. Co-requisites

None

8. Date of Preparation/Latest Revision of Field Training Experience Specification

28th February 2020

Section 2 Aims and Objectives

1. Field Experience Goals

The students can apply the knowledge associated with practices in ruminant (cattle, buffaloes, sheep and goats) i.e., physical examination, diagnosis, treatment and prevention in medicine; theriogenology, surgery and orthopedics; nutritional, farm management and client communication on farm.

2. Objectives of Course Development/Revision Field Experience Course

2.1 Course Objectives

This course aims to provide knowledge and abilities as follows:

Explain etiology of certain diseases in large and small ruminants and plan for prevention and control;

Summarize data from diagnosis, history taking, clinical examination to solve the problems;



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Perform herd health management, reproductive management and nutrition on farm.

2.2 Course-level Learning Outcomes: CLOs

On completion of the course, the students will be able to

1. CLO1 Perform diagnosis and treatment of certain diseases
2. CLO2 Perform fundamental clinical skills
3. CLO3 Evaluate and plan for reproductive management
4. CLO4 Evaluate and plan for farm productivity
5. CLO5 Control contagious diseases at individual and herd levels

Section 3 Development of the expected learning outcomes

1. A brief summary of the knowledge or skills expected to develop in students; the course-level expected learning outcomes (CLOs)

On completion of the course, students will be able to:

CLO 1 : Perform diagnosis and treatment of certain diseases: i.e., diagnosis and treatment procedures, history taking, clinical examination by body system including treatment procedures.

CLO 2 : Perform fundamental clinical skills

CLO 3 : Evaluate and plan for reproductive management

CLO 4 : Evaluate and plan for farm productivity

CLO 5 : Control contagious diseases at individual and herd levels



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2. How to organize learning experiences to develop the knowledge or skills stated in number 1 and how to measure the learning outcomes

CLOs	Teaching and learning experience management					Learning outcomes measurements			
	Lecture	Group discussion	Demonstration	Practice	Seminar	MEQ/ MEQ	Report	Practice exams	Behavior assessment
CLO1			x	x		x		x	x
CLO2			x	x			x	x	x
CLO3		x				x	x	x	
CLO4	x	x		x		x	x		
CLO5		x		x		x	x		

Section 4 Description and Implementation

1. Course Description

ทักษะปฏิบัติทางเวชศาสตร์สัตว์เคี้ยวเอื้อง การตรวจร่างกาย วินิจฉัย รักษาและป้องกันโรคทางอายุรกรรม วิทยาการสืบพันธุ์ ศัลยศาสตร์และออร์โทพีดิกส์ การจัดการอาหาร การจัดการฟาร์ม และการสื่อสารกับเจ้าของสัตว์ป่วย

Clinical practices in ruminant, physical examination, diagnosis, treatment and prevention in medicine; theriogenology, surgery and orthopedics; nutritional, farm management and client communication

2. Student Activity

2.1 Perform duties as assigned by the supervised veterinarians

2.2 Practice skills according to the topics specified in the internship notebook.

2.3 Analyze the causes and solutions of animal production, diseases, or case studies encountered during the internship.



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2.4 Learn and practice working with others in the workplace where students take internships.

3. Reports or Assignments

Assignment	Submission date
-Practice Report - Case study report/ including problem solving methods used during the practice -Oral presentation with the abilities to use ICT media	At the end of each clinical practice

4. Monitoring of the Student Learning Outcome in Field Training Experience/students' job training at an establishment

- 4.1 Attend the student's presentation
- 4.2 Examine the students' report
- 4.3 Site visit or make phone calls to and inquire about students' information during the internship
- 4.4 Contact directly the mentor veterinarians at the field training places

5. Duties and Responsibilities of the Field Mentor at the Field Training Activities/ a job training

- 5.1 Plan activities for developing students' skills
- 5.2 Provide advice to students about the rules, regulations, practices, and duties of the field-mentor veterinarians.
- 5.3 Participate in the assessment of the training using the criteria as determined by each program

6. Duties and Responsibilities of Advisor /Field Supervisor

- 6.1 Coordinate and participate in the planning for the students' practice with the field-mentor veterinarians of each place
- 6.2 Plan to provide student advisory to assess and give advice on the field practice activities
- 6.3 Evaluate the students after completing the field practice

7. Preparation in Guiding and Assisting Students

- 7.1 Provide clarification of the field practice plan and supporting documents
- 7.2 Assign tasks with clarification of the assignment's details and specify the submission date



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7.3 Inform students the contact information to approach for advisory or assistance

8. Facilities and Support Needed in the Field Training/ on the Job

8.1 Provide students with a secure student accommodation during the field practice

8.2 Provide students with meals during the field practices

Section 5 Planning and Preparation

1. Selection of Field experience

1.1 It is an establishment related to animal production and processing or the business of producing food of animal origin.

1.2 It should be a business/organization that is certified for standardization by government agencies.

1.3 It should be located where it is secured and convenient to travel.

1.4 There should be a veterinarian or academic supervising the student's internship.

2. Student Preparation

2.1 Clarification of the training program and recommending practices that should and should not be made known to students

2.2 Assign tasks, clarify the details of the work and the submission deadline

2.3 Test/review knowledge on topics necessary for the practice, such as zoonotic diseases, epidemiology, food safety systems and standards, and disease investigation.

2.4 Test/review skills needed for students to take the practice, such as sample collecting for laboratory tests and production quality inspection according to the food safety and animal welfare principles.

3. Advisor / Field Supervisor Preparation

Working altogether to determine the objectives expected from the field practice, the learning outcomes that wanted to emphasize, practice guidelines, and assessment methods

4. Preparation of Mentor at field experience places



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4.1 Clarify the objectives that students should acquire during the field practice to the mentor veterinarians or the field-practice supervisors

4.2 Inform the mentor veterinarians or the field-practice supervisors of the establishment of the topics and assessment criteria students should acquire during the field practice

4.3 Inform the contact channels/information to approach the course coordinators

5. Risk Management

5.1 Select an establishment or a reliable agency located in the area that is convenient for transportation and safe for students to take the field practice

5.2 Arrange a shuttle bus/ transportation for students between the Faculty of Veterinary Science, Mahidol University, and the practice sites.

5.3 Arrange accommodation by coordinating with the responsible personnel of the establishment

5.5 Contact students during the practice through various channels and inform students of the contact information to reach the advisors in case of emergency or acquire assistance

5.6 Liaise with the field mentor veterinarians and field supervisors during the students' field practice

Section 6 Student Assessment

1. Assessment Criteria

Evaluation Method	Weight (Percentage)
Rubric score	50
OSCE and Exit Exam	40
Group report	10
Total	100



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2. Student Performance Evaluation Process

2.1 Measurement and Evaluation of learning achievement

A. Formative Assessment

- 1) Assessment of the field practice results
- 2) Assessment from the case study report

B. Summative Assessment

(1) Tool and weight for measurement and evaluation

Learning Outcomes	Evaluation Method*				Weight (Percentage)
	MCQ	Group work	Individual work presentation	Rubrics Scoring	
CLO1 Perform diagnosis and treatment of certain diseases		x	x	x	20
CLO2 Perform fundamental clinical skills		x	x	x	20
CLO3 Evaluate and plan for reproductive management	x			x	20
CLO4 Evaluate and plan for farm productivity	x			x	20
CLO5 Control contagious diseases at individual and herd levels	x			x	20
Total	10	30	30	30	100



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(2) Measurement and evaluation

According to the MUVS' measurement and evaluation conditions, either it is the criteria or norm-reference used to assess the students' performance, the assessment results will be assigned as grading symbols: A, B+, B, C+, C, D+, D, and F. Students should receive at least the 'D' grade to pass the course.

(3) Re-examination (if the course allows any.)

In case that students received an 'F' grade, the course coordinator and the program's Teaching and Learning Development Committee should, altogether, agree to allow the students to take the re-examination or extra-course work to pass the course with the following conditions. For the course with the mean score is higher than 75.00 and the minimum score is not less than 45.00. Students must receive the score higher than 47.50 to take to re-examination or extra-course work.

For the course with the mean score between 60.00 – 74.99, students must receive the score higher than 40.00. However, when the mean score is less than 60.00, students, then, should receive the score higher than 40.00 in order to take the re-examination or extra-course work. Once students took the re-examination (extra-course work) and the course coordinator had considered the students' re-examination/course work to pass the criteria, then the students will receive the 'D' grade. While waiting for the re-examination or extra-course work result, the students' score should be indicated as 'I' grade.

3. Responsibilities of the Field Training Mentor in Student Evaluation

Evaluation Method	Weight (Percentage)
Behavior assessment	50
Practice exams	40
Case study	10



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4. Responsibilities of the Faculty in Charge of Field Training in Student Evaluation

Evaluation Method	Weight (Percentage)
None	-

5. Summary of Evaluation Diversification

Small group meetings with the field mentor veterinarians and field practice supervisors for further discussion and to conclude the assessment result.

6. Students' Appeals

Should the students have any suspicion or appeals to the teaching and learning activities and the grade assessment, students could make the appeal by filling in the form at MUVS' Academic Affairs. The appeal will be proposed to the course coordinator to consider the request. If the appeal could not be addressed at this point, it will be further process by the program's Teaching and Learning Development Committee. In case that the committee suggested further investigation should be done, the appeal will be purposed to the faculty's appealing committee to address the issue.

Relations between the course and the program

Table 1 Relations between the course and the PLOs

Course Name Clinical Clerkship in Ruminant I (Course Code) VSCL 676	PLOs							
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8
	P	P	P	P	-	P	P	P



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Table 2 Relations between CLOs and PLOs

(Course Code) VSCL 676	PLOs							
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8
CLO1 Perform diagnosis and treatment of certain diseases	1.1	2.1 2.2 2.3 2.4					7.1 7.2	8.1 8.2
CLO2 Perform fundamental clinical skills	1.2	2.1 2.2 2.3 2.4					7.4	8.1 8.2
CLO3 Evaluate and plan for reproductive management			3.1 3.2				7.2	
CLO4 Evaluate and plan for farm productivity	1.2		3.1 3.2	4.1			7.3	8.1 8.2
CLO5 Control contagious diseases at individual and herd levels			3.2			6.2	7.3 7.4	8.1 8.2