



Program: Doctor of Veterinary Medicine
Course title: Clinical Clerkship in Swine I
Course code: VSCL 677

Academic degree level ☒ Bachelor ☐ Graduate Diploma ☐ Master
☐ 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

สพวค ๖๗๗	สพวค ๖๗๗	คลินิกปฏิบัติสุกร ๑
VSCL 677	VSCL 677	Clinical Clerkship in Swine I

2. Number of Credits

3 (0-9-3)

(Theory - 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 coordinators

Assoc.Prof.Dr. Panida Chanapiwat	Department of Clinical Sciences and Public Health
Tel. 2229	E-mail: panida.chn@mahidol.edu

Assoc.Prof.Dr. Kampon Kaeoket (KK)	Department of Clinical Sciences and Public Health
Tel. 1526	E-mail: kampon.kae@mahidol.edu

4.2 Advisor of Field Training Experience

Assoc.Prof.Dr. Kampon Kaeoket (KK)	Department of Clinical Sciences and Public Health
Tel. 1526	E-mail: kampon.kae@mahidol.edu

Asst.Prof.Dr. Dusit Laohasinnarong (DL)	Department of Clinical Sciences and Public Health
Tel. 1510	E-mail: dusit.lao@mahidol.edu

Assoc.Prof.Dr. Panida Chanapiwat (PC)	Department of Clinical Sciences and Public Health
Tel. 2229	E-mail: panida.chn@mahidol.edu



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Instructor Siriporn Tantawet

Department of Clinical Sciences and Public Health

Tel. 2208

E-mail: siriporn.tan@mahidol.edu

5. Semester/The training experience required in the curriculum

- 5.1 Semester 1-2 / Class Level or year 6
5.2 Class capacity approximately number of 80 students

6. Pre-requisite

-

7. Co-requisites

-

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

24th February 2020

Section 2 Aims and Objectives

1. Field Experience Goals

To organize field experiences in field of swine production, swine medicine, swine surgery, swine theriogenology so that the learners can apply knowledge and skills for practice at pig farm in consideration of ethics, morals and professional standards.

2. Objectives of Course Development/Revision Field Experience Course

1.2 Course Objectives

This course aims to provide knowledge and abilities as follows:

1. Diagnose the pig diseases in related with medicine, surgery and theriogenology correctly
2. Analyse the problems of pig farm based on the farm information and production performances properly
3. Plan the solutions to solve the problems and preventive measures for pig farm properly by considering the ethics, morals, and professional standards



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2.2 Course-level Learning Outcomes: CLOs

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

1. CLO1 Diagnose the pig diseases in related with medicine, surgery and theriogenology correctly
2. CLO2 Analyse the pig farm 's production performance data correctly
3. CLO3 Evaluate the farm biosecurity in pig farm according to pig farm standard properly
4. CLO4 Plan the treatment, prevention and control of pig diseases at herd level suitably
5. CLO5 Plan the solutions to solve the problems of pig farm's production performances properly

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 : Diagnose the pig diseases in related with medicine, surgery and theriogenology correctly

CLO 2 : Analyse the pig farm 's production performance data correctly

CLO 3 : Evaluate the farm biosecurity in pig farm according to pig farm standard properly

CLO 4 : Plan the treatment, prevention and control of pig diseases at herd level suitably

CLO 5 : Plan the solutions to solve the problems of pig farm's production performances properly



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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					
	Practice	Individual work	Group assignments	Presentation	Practice exams	Oral exams	Individual work	Group assignments	Presentation skills	Learning behavior observation
CLO1	X	X	X	X	X	X	X	X	X	X
CLO2		X	X	X		X	X	X	X	X
CLO3		X	X	X		X	X	X	X	X
CLO4	X	X	X	X	X	X	X	X	X	X
CLO5	X	X	X	X	X	X	X	X	X	X

Section 4 Description and Implementation

1. Course Description

ทักษะปฏิบัติทางเวชศาสตร์สุกร การจัดการสุขภาพ การเฝ้าระวังโรค การจัดการด้านการผลิต การวินิจฉัย และการรักษา การประเมินประสิทธิภาพทางการสืบพันธุ์ การจัดการฟาร์ม การประเมินผลทางเศรษฐกิจ การป้องกันและการควบคุมโรคติดต่อที่สำคัญ

Clinical practices in swine, herd health monitoring program; diseases surveillance, production management, diagnosis and treatment; the evaluation of reproductive performances, farm management, economic issues, diseases prevention and the control program

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.

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



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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



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7.2 Assign tasks with clarification of the assignment's details and specify the submission date

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

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



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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)
Practice examination	40
Oral examination	20
Group assignments	15
Individual work	10
Presentation skills	10
Learning behavior observation	5
Total	100



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2. Student Performance Evaluation Process

1.2 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)
	Practice exams (Rubric)	Oral exams	Individual work	Group assignments	Presentation skills	Learning behavior observation	
CLO 1 : Diagnose the pig diseases in related with medicine, surgery and theriogenology correctly	10	4	2	3	5	1	25
CLO 2 : Analyse the pig farm 's production performance data correctly	10	4	2	3		1	20
CLO 3 : Evaluate the farm biosecurity in pig farm according to pig farm standard properly	5	4	2	3		1	15



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CLO 4 : Plan the treatment, prevention and control of pig diseases at herd level suitably	5	4	2	3		1	15
CLO 5 : Plan the solutions to solve the problems of pig farm's production performances properly	10	4	2	3	5	1	25
Total	40	20	10	15	10	5	100

(2) Measurement and evaluation

According 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, agreed 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.



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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)
Practice exams	20
Soft skills	2.5

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

Evaluation Method	Weight (Percentage)
Practice exams	20
Oral exam	20
Individual work	10
Group assignments	15
Presentation skills	10
Soft skills	2.5

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



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investigation should be done, the appeal will be purposed to the faculty's appealing committee to address the issue.

Appendix

Relations between the course and the program

Table 1 Relations between the course and the PLOs

Course Name Clinical Clerkship in Swine I	PLOs							
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8
(Course Code) VSCL 677	M	M	M			R	P	R

Table 2 Relations between CLOs and PLOs (ไม่ต้องระบุ subLos)

(Course Code) VSCL 677	PLOs							
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8
CLO 1 : Diagnose the pig diseases in related with medicine, surgery and theriogenology correctly	X	X						X
CLO 2 : Analyse the pig farm 's production performance data correctly	X	X	X			X		
CLO 3 : Evaluate the farm biosecurity in pig farm according to pig farm standard properly	X	X	X					
CLO 4 : Plan the treatment, prevention and control of pig diseases at herd level suitably	X	X	X					X
CLO 5 : Plan the solutions to solve the problems of pig farm's production performances properly	X	X	X				X	X