

Course Specification

Doctor of Philosophy Program in Veterinary Science (International Program)

Section 1 General Information

1. Course Code and Title

In Thai	เวชศาสตร์สัตว์เล็ก 2
In English	Small animal medicine II

2. Number of Credits 3 (0-9-3)

(Theory ...3... hrs. Practice ...0... hrs. Self-Study ...6... hrs./week)

3. Curriculum and Course Type

- 3.1 Program Doctor of Philosophy Program in Veterinary Science
(International Program)
- 3.2 Course Type ☒ Specific Course ☐ Compulsory Course ☐ Elective Course

4. Course Coordinator and Instructor

4.1 Course Responsible Instructor

Assistant Professor Dr. Jeerawat Soonthornsit (JS)	email: jeerawat.soo@mahidol.ac.th
Dr. Paitoon Srimontri (PSM)	email: paitoon.sri@mahidol.ac.th

4.2 Instructors

Assoc. Prof. Dr. Walasinee Sakcamduang (WS)	email: walasinee.sak@mahidol.ac.th
Asst. Prof. Dr. Surasak Jittakhot (SJ)	email: surasak.jit@mahidol.ac.th
Asst. Prof. Maturawan Tunhikorn (MT)	email: maturawan.tun@mahidol.ac.th
Assi. Prof. Dr. Jeerawat Soonthornsit (JS)	email: jeerawat.soo@mahidol.ac.th
Dr. Ruangrat Buddhirongawatr (RBD)	email: ruangrat.bud@mahidol.ac.th
Dr. Paitoon Srimontri (PSM)	email: paitoon.sri@mahidol.ac.th
Dr. Sataporn Phochantachinda (STP)	email: sataporn.pho@mahidol.ac.th

5. Semester/Class Level

- 5.1 Semester 1
- 5.2 Number of Students Allowed No more than 6 students

6. Prerequisites

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7. Co-requisites

VSCL 811

8. Date of Preparation/Latest Revision of the Course Specifications

15 July 2025

Section 2 Course Goals and Course Description

1. Course Goals

Students can utilize knowledge acquired from this course to assess and manage actual patients in the clinic using problem-solving approaches related to conditions of infectious diseases, zoonotic diseases, ophthalmological disorders, dermatological disorders, emergency medicine and critical care and clinical nutrition. In addition, the students can accurately explain pathophysiology, diagnostic methods and treatment plans to the animal owners.

2. Course Description

(In Thai) การแก้ปัญหาทางคลินิก การตรวจร่างกาย การสื่อสารกับเจ้าของสัตว์ป่วย แนวทางการแก้ไขปัญห
จากอาการทางคลินิก การดูแลรักษาสัตว์ป่วยเนื่องจากโรคติดเชื้อ การป้องกันและกำจัดโรค โรคติดต่อจากสัตว์สู่คน การประเมิน
โรคตาและอาการทางระบบต่างๆ ที่เกี่ยวข้องกับความผิดปกติทางผิวหนัง เวชศาสตร์ฉุกเฉินและการดูแลสัตว์ป่วยวิกฤต
โภชนศาสตร์คลินิก และทัศนวิสัย จรรยาบรรณและมาตรฐานแห่งวิชาชีพ

(In English) Clinical problem solving; physical examination; client communication; problem ori-
ented approach from clinical manifestations, management of the infectious diseases, prophylaxis and eradi-
cation scheme, zoonotic diseases; clinical evaluation of the ophthalmological disorders; recognition of the
ocular manifestations of systemic diseases; dermatological disorders, emergency medicine and critical care,
clinical nutrition, diagnostic imaging; ethical and professional standard.

Section 3

Course Objectives, Course-level Learning Outcomes and Course Implementation

1. Course Objectives

Students can enhance their understanding of pathophysiology, diagnostic techniques, and management of infectious diseases, zoonotic diseases, ophthalmological disorders, dermatological disorders, emergency medicine and critical care and clinical nutrition.

2. Course-level Learning Outcomes: CLOs

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

- 1) CLO 1 Accurately access physical examination findings and laboratory test results
- 2) CLO 2 Accurately plan the diagnosis and management of illnesses in animals
- 3) CLO 3 Arrange communication with the owners regarding the health concerns of the animals effectively

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

CLOs	Teaching and learning experience management			Learning outcomes measurements		
	Lecture	Problem-based learning	Group discussion	MCQ	Presentation	Behavioral observation for group work and discussion
CLO1	x	x	x	x	x	
CLO2	x	x	x	x	x	
CLO3			x		x	x

Section 4 Lesson Plan and Evaluation

1. Lesson Plan

Teaching Period	Topics/Details	Number of hours			Methods: Teaching Media	Lecturer
		Lecture	Group discussion	Self-study		
1	Infectious diseases	3	-		Lecture: Powerpoint	WS
2	Preventive medicine and zoonosis	3	-		Lecture: Powerpoint	WS
3	Feline medicine I	3	-		Lecture: Powerpoint	RBD
4	Feline medicine II	3			Lecture: Powerpoint	RBD
5	Clinical nutrition	3			Lecture: Powerpoint	SJ
6	Ophthalmology I	3			Lecture: Powerpoint	RBD
7	Ophthalmology I	3			Lecture: Powerpoint	RBD

Teaching Period	Topics/Details	Number of hours			Methods: Teaching Media	Lecturer
		Lecture	Group discussion	Self-study		
8	Case-based discussion		3		Clinical cases examples	PSM, JS
9	Dermatology I	3			Lecture: Powerpoint	MT
10	Dermatology II	3			Lecture: Powerpoint	MT
11	emergency medicine and critical care I	3			Lecture: Powerpoint	STP
12	emergency medicine and critical care II	3			Lecture: Powerpoint	STP
13	Case-based discussion		3		Clinical cases examples	PSM, JS
14	Self-study			3		
15	Self-study			3		
	Total hours of the entire semester	33	6	6		

2. Plan for Assessment of Expected Course-Level Learning Outcomes (CLOs)

2.1 Measurement and Evaluation of learning achievement

A. Formative Assessment

The assessment is performed during the course to measure the progress and development of students' learning by observing the behavior change and improvement of students' behavior and performance. The assessment results will be notified to the students (feedback) so that the students are constantly able to improve themselves. The assessment results are not included with the test scores at the end of the course.

B. Summative Assessment

(1) Tool and weight for measurement and evaluation

Course Learning Outcome	Evaluation Method*			Weight (%)
	MCQ	Presentation	Behavioral observation for group work and discussion	
CLO1 Accurately access physical examination findings and laboratory test results	25	10	5	40
CLO2 Accurately plan the diagnosis and management of illnesses in animals	25	10	5	40

CLO3 Arrange communication with the owners regarding the health concerns of the animals effectively	-	10	10	20
Total	50	30	20	100

(2) Grading Rules

The grading symbols are: A, B+, B, C+, C, D+, D, and F. Students must receive a 'D' grade or above to pass the criteria.

(3) Measurement and Evaluation

The measurement and evaluation use the criteria-based, according to the conditions and methods for academic results evaluation of the Faculty of Veterinary Science, Mahidol University.

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

In case that students received an 'F' grade, the course coordinator and the program's Teaching and the program administration 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. The minimum score is not less than 45.00. to take to 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. Students' Appeal

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 administration 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.

Section 5 Teaching Resources

1. Required Texts

- 1) Ettinger's Textbook of Veterinary Internal Medicine, 9th edition, 2024

2. Suggested Materials
 - 1) Journal of Veterinary Internal Medicine
 - 2) <https://eclinpath.com>

Section 6 Evaluation and Improvement of Course Implementation

1. Analysis and Evaluation of Course Implementation

A. Data for Analysis

Teaching and learning efficiency evaluation form

B. Course Effectiveness Evaluation

At the end of each course, it is required for the students to assess the teaching of each instructor based on the following criteria: punctuality, good role model, application of morals and ethics for the instruction, ability to convey knowledge and encourage students to learn, giving opportunities for students to ask questions and to comment during the study.

The overall outcomes of each course will also be assessed by the students for the following issues: the instructor's knowledge and competency, the course's effectiveness, student's satisfaction with the study, and other comments from students. The evaluation is conducted through online platform.

2. Revision Process and Improvement Plan for Course Effectiveness

Prior to each academic year, there are meetings/seminars for the instructors of each course to plan to improve the course's teaching and learning management based on the following information.

- (1) the students' academic performance
- (2) the students' evaluation results
- (3) the instructors' assessment results

3. The self-assessment report of the course

At the end of each academic year, the course coordinators, instructors, the Program Committee, and the Teaching and Learning Development Committee will consider the assessment results and the Learning Outcome for the Course to plan for the improvement of the next academic year.

Appendix

1. Relations between the course and the program

Table 1 Relations between the course and the PLOs

Course Title	Program-Level Learning Outcomes (PLOs)				
	PLO1	PLO2	PLO3	PLO4	PLO5
VSCL 810: Small animal medicine I	M	M	R	R	R

Table 2 Relation between CLOs and PLOs

(Course Code)	Program-Level Learning Outcomes (PLOs)				
	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1 Accurately access physical examination findings and laboratory test results	1	2	3	4	
CLO2 Accurately plan the diagnosis and management of illnesses in animals	1	2	3	4	
CLO3 Arrange communication with the owners regarding the health concerns of the animals effectively					5

3. Relations between the course and Sustainable Development Goals (SDGs)

- ☐ SDG1 No poverty
- ☐ SDG2 Zero Hunger
- ☐ SDG3 Good Health and Well – being
- ☒ SDG4 Quality Education
- ☐ SDG5 Gender Equality
- ☐ SDG6 Clean Water and Sanitation
- ☐ SDG7 Affordable and Clean Energy
- ☐ SDG8 Decent Work and Economic Growth
- ☐ SDG9 Industry, Innovation and Infrastructure
- ☐ SDG10 Reduced Inequalities
- ☐ SGD11 Sustainable Cities and Communities
- ☐ SDG12 Responsible Consumption and Production
- ☐ SDG13 Climate Action
- ☐ SDG14 Life Below Water
- ☐ SDG15 Life on Land

- ☐ SDG16 Peace, Justice and Strong Institutions
- ☐ SDG17 Partnerships for the goals

Course Schedule

Course Title and course code: Small Animal Medicine II (VSCL 811)

Semester 1 Academic Year 2026

No.	Date	Time	Topics/Details	Lecturer	Room
1	Thu 6 Aug 2026	13.00 – 16.00	Emergency medicine and critical care I	STP	LIB Seminar 3 (3 rd floor)
2	Thu 13 Aug 2026	13.00 – 16.00	Infectious diseases	WS	Seminar Room (5 th floor)
3	Thu 20 Aug 2026	13.00 – 16.00	Emergency medicine and critical care II	STP	LIB Seminar 3 (3 rd floor)
4	Thu 27 Aug 2026	13.00 – 16.00	Preventive medicine and zoonosis	WS	LIB Seminar 3 (3 rd floor)
5	Thu 3 Sep 2026	13.00 – 16.00	Clinical nutrition	SJ	Seminar Room (5 th floor)
6	Thu 10 Sep 2026	13.00 – 16.00	Feline medicine I	RBD	LIB Seminar 3 (3 rd floor)
7	Thu 17 Sep 2026	13.00 – 16.00	Feline medicine II	RBD	LIB Seminar 3 (3 rd floor)
8	Thu 24 Sep 2026	13.00 – 16.00	Case-based discussion	PSM, JS	Seminar Room (5 th floor)
9	Thu 1 Oct 2026	13.00 – 16.00	Ophthalmology I	RBD	LIB Seminar 3 (3 rd floor)
10	Thu 8 Oct 2026	13.00 – 16.00	Ophthalmology II	RBD	LIB Seminar 3 (3 rd floor)
11	Thu 15 Oct 2026	13.00 – 16.00	Dermatology I	MT	LIB Seminar 3 (3 rd floor)
12	Thu 22 Oct 2026	13.00 – 16.00	Dermatology II	MT	LIB Seminar 3 (3 rd floor)
13	Thu 29 Oct 2026	13.00 – 16.00	Case-based discussion	PSM, JS	Seminar Room (5 th floor)
14	Thu 5 Nov 2026	13.00 – 16.00	Self-study	-	LIB Seminar 3 (3 rd floor)
15	Thu 12 Nov 2026	13.00 – 16.00	Self-study	-	LIB Seminar 3 (3 rd floor)
16	Thu 19 Nov 2026	13.00 – 16.00	Final examination	-	LIB Seminar 3 (3 rd floor)