

# TY03046: VETERINARY PARASITOLOGY INTERSHIP

## 1. General information

- Term: 9
- Credits: **Total credits: 3 (Lecture: 0.5 – Practice: 2.5 - Self-study: 9)**
  - Credit hours for teaching and learning activities:
    - + Lecture: 8 lesson
    - + Practice outside university: 8 lesson
- Self-study: 135 lesson.
- Department conducting the course:
  - Department: Veterinary Parasitology
  - Faculty of Veterinary Medicine
- Kind of the course:

Foundation <input type="checkbox"/>		Fundamental <input type="checkbox"/>		Specialized <input checked="" type="checkbox"/>	
Compulsory <input type="checkbox"/>	Elective <input type="checkbox"/>	Compulsory <input type="checkbox"/>	Elective <input type="checkbox"/>	Compulsory <input checked="" type="checkbox"/>	Elective <input type="checkbox"/>

- Prerequisite course(s): Veterinary Pathology 2 (TY03012)
- Course language: English ☐ Vietnamese ☒

## 2. Course objectives and Program learning outcomes

### \* *Course objectives:*

- Knowledge: Course provided for students with knowledge in veterinary parasitology, parasitic diseases in domestic animals.
- Skills: Course provide students with skills in diagnose, treat parasitic diseases in animals in Vietnam
- Attitude: Course provide students with attitudes in Veterinary parasitology course. This is an important compulsory course related to productivity and quality of animal products, and protecting human health.

### \* *Course expected learning outcomes*

This course contributes to program expected learning outcomes as follows:

*I – Introduction; P – Practice; R – Reinforce; M – Master*

Code	Course name	Program learning outcome's performance criteria					
		3.3	4.1	6.2	6.3	11.3	14.1
TY03046	VETERINARY PARASITOLOGY INTERSHIP	M	M	M	M	M	M

Notation	Course expected learning outcomes	Program learning outcome's performance criteria
	After successfully completing this course, students are able to	
<b>Knowledge</b>		
CELO1	<b>Apply</b> veterinary parasitology knowledge to the prevention and control of animal parasitic diseases effectively	3.1: Apply veterinary knowledge to monitor animal health

CELO2	<b>Design</b> programs for diagnosis and treatment of parasitic disease for domestic animals, procedures for disease prevention and control for animals according to prescribed standards.	4.1: Design programs for diagnosis and treatment of disease for domestic animals
<b>Skills</b>		
CELO3	<b>Develop</b> a group work plan, assign members to exchange and collect information for consultation and treatment of parasitic diseases during the internship period.	6.2: Develop internal relationships including establishing connections, resolving conflicts, and developing external relations during teamworking
CELO4	<b>Evaluate</b> individual and group work in analyzing the results of diagnosis and treatment of parasitic diseases	6.3: Evaluate performance of individuals and team for continuous improvement
CELO5	<b>Apply</b> the right method of survey design and research on parasitic diseases at the internship	11.3: Apply exactly survey and research methods
<b>Ethics and Attitude</b>		
CELO6	<b>Define</b> clearly the importance of veterinary parasitology in guiding the career of veterinarians	14.1: Define clearly the future direction

### 3. Course description

Code: TY03046 - Name: Veterinary Parasitology Intership (Total credits 3: lecture 0,5- practice 2,5- self-study 9)

Brief description of the course: The internship can help students assess the situation of parasitic diseases on domestic animals, analyze the risk of parasitic diseases in livestock, infectious parasitic diseases and solutions to prevent them. Students can practice for diagnose parasitic diseases on livestock and apply treatment procedure. Teaching method: Instructors organize the extracurricular activities, assign a group of students for a report as well as presentation. Teachers use communication media (writing board, lights, sound system, ...) to present the lecture content. Students receive lectures on the basis of individual work. Assessment method: Attendance: 10%, Group presentation: 30%, Report: 60%. Prerequisites: Veterinary Pathology 2

### 4. Teaching and learning methods

#### 4.1. Teaching methods

Instructors organize the extracurricular activities, assign a group of students for a report as well as presentation. Teachers use communication media (writing board, lights, sound system, ...) to present the lecture content. Students receive lectures on the basis of individual work.

**Table 1: Matrix of Teaching methods and CELOs**

CELOs	CELO1	CELO2	CELO3	CELO4	CELO5	CELO6
<b>Teaching</b>						

methods						
Lecturing	x	x				
Practice at the outside university facility	x	x	x	x	x	x
Teamwork			x	x	x	

## 4.2. Learning methods

Students participate in internships, data collection, analysis and report. Students attend the class, present and discuss individually or in groups.

## 5. Student tasks

- Attendance: All students attending this course must attend school fully according to regulations
- Prepare for the lecture: All students attending this module must read the reference books in the list below before coming to class.
- Practice: All students participating in this module must perform the techniques in the course content, students can do group reports or individual reports.

## 6. Text books and references

### \* *Text Books/Lecture Notes:*

1. Nguyen Van Tho, Nguyen Thi Hong Chien, Duong Duc Hieu, Bui Khanh Linh, Nguyen Thi Nhien, Nguyen Van Phuong, Nguyen Thi Hoang Yen, (2019). Textbook of veterinary parasites, University of Agriculture Publishing House.
2. Bui Khanh Linh, Nguyen Van Tho, Nguyen Thi Hoang Yen, Nguyen Van Phuong, Nguyen Thi Hong Chien, Duong Duc Hieu, Nguyen Thi Nhien, Tran Hai Thanh, (2021). Textbook of veterinary parasitology practice. University of Agriculture Publishing House.

### \* *Additional references:*

1. Dennis Jacobs, Mark Fox, Lynda Gibbons, Carlos Hermosilla (2016). Principles of veterinary parasitology. Wiley Blackwell.
2. Pham Sy Lang, Nguyen Huu Hung, Nguyen Van Dien, Nguyen Ba Hien, Bach Quoc Thang, Ha Thuy Hanh (2015). Parasitic diseases in cattle and poultry in Vietnam. Agricultural publisher.
3. Pham Sy Lang, Hoang Van Nam et al (2012). The disease is transmitted from animals to humans. Agricultural publisher.
4. Anne M. Zajac, Gary A. Conboy, Susan E. Little, Mason V. Reichard (2021) Veterinary Clinical Parasitology, 9th Edition.
5. Dwight D. Bowman (2020). Georgis' Parasitology for Veterinarians, 11th Edition

### \* *Research and research results:*

## 7. Course outline

Week	Content	Course expected learning outcomes
1		
	<b>A/ Main contents: (6 lesson)</b> <b>Theory:</b> 1.1. Emerging parasitic diseases in cattle and poultry 1.2. Emerging parasitic diseases in dogs, cats. 1.3. Emerging zoonotic parasitic diseases	K1-K6
	<b>B/ Self- study contents: (6 hours)</b> 1. Learn about parasitic diseases in cattle and poultry	

Week	Content	Course expected learning outcomes
	2. Learn about zoonotic parasitic diseases	
2		
	<b>A/ The main content is implemented outside university facility</b> Practice and evaluate the situation of livestock production and infection of parasitic diseases in livestock	K1-K6
	<b>B/ Self- study contents:</b> Learn about common parasitic diseases in livestock	
3		
	<b>A/ The main content is implemented outside university facility</b> Analyze the risk of parasitic diseases and propose preventive measures	K1-K6
	<b>B/ Self- study contents:</b> 3Learn about the epidemiological characteristics of parasitic diseases in animal	
4		
	<b>A/ The main content is implemented outside university facility</b> Collect blood samples, stool samples, and urine for diagnostic tests of parasitic diseases	K1-K6
	<b>B/ Self- stusy contents:</b> Collecting data and information, analyzing data and writing reports.	
5		
	<b>A/ The main content is implemented outside university facility</b> Apply drugs to treat parasitic diseases	K1-K6
	<b>Self- study contents:</b> Collecting data and information, analyzing data and writing reports.	
6		
	<b>A/ The main content is implemented outside university facility</b> Pratice at pet clinics, determine the rate of parasitic infection in pets and treatment procedure	K1-K6
	<b>Self- study contents:</b> Collecting data and information, analyzing data and writing reports.	
7		
	<b>A/ Main contents in class:</b> Student groups present and discuss reports	K1-K6
	<b>B/ Self-study contents: (6 hours)</b> Learn about the documents related to the topics during internship at outside university facillity	