

TY03055: ONE HEALTH IN VETERINARY MEDICINE

1. General information

- Term: 07
- Credits: **Total credits: 02 (Lecture: 1.5 – Practice: 0.5) - Self-study: 06**
- Credit hours for teaching and learning activities:
 - + Lecture and Exercises on class: 21 hrs
 - + Presentation and Discussion: 1.5 hrs
 - + Practice in lab/green house: 7.5 hrs
- Self-study: 90 hrs.
- Department conducting the course:
 - Department: Veterinary Public Health
 - Faculty: Veterinary Medicine
- Kind of the course:

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

- Prerequisite course(s): TY03040 - Zoonoses

2. Course objectives and expected learning outcomes

* *Course objectives:*

1. **Course objectives:** The course aims to provide students ability to apply basic knowledge of one health in veterinary medicine, particularly in animal disease control and prevention with one health approach.

* *Course expected learning outcomes*

Notation	Course expected learning outcomes (CLOs) After successfully completing this course, students are able to	Program performance criteria (PPC)
Knowledge		
CLO1	Develop a disease prevention strategy for animals according to prescribed standards	4.1
Skills		
CLO 2	Leveraging the core competencies of one health: Management and planning, Information and communication, cooperation and partnership in animal disease prevention and other veterinary work.	6.1
CLO 3	Apply planning and time management skills during group work.	6.3
CLO 4	Using modern veterinary equipment for diagnosis, treatment and management of animal diseases to achieve the set goals.	10.2
Attitude		
CLO 5	Show love for animals	13.2

3. Course description

This course consists of the following main contents: Introduction of one health, ecological health, global health, environmental health; One health core competencies: management and

planing, communication and informatics, culture and beliefs, Leadership, Collaboration and partnership, Values and ethics, Systems thinking; Policies, regulations and advocacy; Application of core competencies to solve one health issues: management and responding to animal disease outbreaks particularly zoonoses.

4. Teaching and learning & assessment methods

CLOs	CLO1	CLO2	CLO3	CLO4	CLO5
Teaching methods					
Lecturing	x	x	x		
Practise	x	x	x	x	x
Assessment					
Rubric 1. Participation attitude (10%)				x	x
Rubric 2. Mid-term exam by group exercises assessment (30%)	x	x	x	x	x
Rubric 3. Final exam (60%)	x	x	x	x	x

5. Student tasks

- Attendance: All students must not be absent more than 30% of the prescribed period.
- Assignment: All students must have full curriculum / lectures of the module and prepare all assignments required by the lecturer
- Mid-term exam: All students take the midterm exam to be eligible for the final exam
- Practise: All students take the practice assessment to be eligible for the final exam
- Final exam: All students take the final exam to get total results.

6. Text books and references

1. Nguyễn Đức Hình, Lê Thị Hương (2014). Một sức khỏe trong y học dự phòng và y tế công cộng. Nhà xuất bản Y học, Hà Nội.
2. Trịnh Đình Thâu, Phạm Hồng Ngân và Nhóm tác giả (2016). Giáo trình Bệnh truyền lây giữa động vật và người. Nhà xuất bản Đại học Nông Nghiệp.
3. Mạng lưới Một sức khỏe các trường đại học Việt Nam (VOHUN) (2015). Năng lực cốt lõi Một sức khỏe.
4. Sức khỏe toàn cầu (Global Health)

7. Course outline

Week	Content	Course expected learning outcomes
1	<i>Chapter 1. Introduction of one health</i>	

	A/ Main contents: (3 hours) Theory: (hours) 1.1. One health concept 1.2. Components of one health 1.3. Ecohealth 1.4. Global health 1.5.Environmental health Exercise: (hours) Seminar/discussion: (1 hour) Comparison of one health, ecohealth and global health	CLO1, CLO2, CLO3, CLO4, CLO5
	B/ Self - learning contents: (8 hours) Foundation to establish one health and the role of one health in disease control and prevention	
	Chapter 2. One health core competencies	
2,3,4,5,6	A/ Main contents: (10 hours) Theory: (hours) 1.1. Management and planning 1.2. Communication and informatics 1.3. Culture and beliefs 1.4. Leadership 1.5. Collaboration and partnership 1.6. Values and ethics 1.7. Systems thinking 1.8. Policies, regulations and advocacy Practices: (4 hours) Field survey on one health: Situation of zoonoses at local areas, analyze the risks of a zoonosis at local areas (Retrospective) Seminar/discussion: (hour)	CLO1, CLO2, CLO3, CLO4, CLO5
	B/ Self - learning contents: (28 hours) One health core competencies	
7,8	Chapter 3. Application one health core competencies in control and prevention of zoonoses and other diseases of livestock A/ Main contents: (3 hours) Theory: (hours) 3.1. Application of systems thinking in planning for control and prevention of zoonoses (Rabies, Avian Influenza, Liver fluke disease) 3.2. Application of management and planning for for control and prevention of zoonoses (Rabies, Avian Influenza, Liver fluke disease) Practices: (4 hours)	CLO1, CLO2, CLO3, CLO4, CLO5

	One day field trip for planning to deal with zoonoses and other infectious diseases of livestock Seminar/discussion: (1 hour)	
	B/ Self - learning contents: (16 hours) Zoonoses	
9,10	Chapter 4. Application one health core competencies to solve veterinary tasks	
	A/ Main contents: (3 hours) Theory: (hours) 4.1. Application of one health core competencies: leadership, systems thinking in directing and implementing veterinary tasks 3.2. Application and evaluation some policies in veterinary medicine: disease control and prevention and food safety Practices: (hours) Seminar/discussion: (1 hour) The role of policies	CLO1, CLO2, CLO3, CLO4, CLO5
	B/ Self - learning contents: (8 hours) Plans and policies in food safety	