



# COURSE SYLABUS

(TY03036: Veterinary pharmacology and toxicology)

Credits: 02 (Lecture: 1.5 – Practices: 0.5 – Self-study: 06)

## EXPECTED LEARNING OUTCOMES

Indicators	Completing of the course, students will be able to	ELOs
<b>Skills</b>		
K1	Apply knowledges about pharmacokinetics in the establishment of drug regimes used to prevent and treat diseases of animals.	<b>ELO 6: Co-operate</b> with teams to perform the professional work, achieve the proposed goals, in the positions as a member or a manager.
K2	Apply knowledges about the characteristics, active mechanisms, and pharmacodynamics of drugs applied for animals.	<b>ELO 7: Communicate</b> effectively using multi-media, adapt with multi-culture environments; achieve the requirements of English ability established by the Ministry of Agriculture and Rural development.
K3	Select suitable drugs for the prevention and treatment of animal diseases.	<b>ELO 11: Carry out</b> proficiently the basic and advanced techniques required in animal husbandry.
<b>Attitudes and responsibilities</b>		
K4	Show the carefulness, professional, honesty, fair and objectiveness when select and apply drugs to prevent and treat animal diseases; show affections and responsibility when nursing, raising and handling animals.	<b>ELO 12: Obey</b> the rules, internal principles and professional ethics .

## CONTENTS

### Theory parts:

- Pharmacokinetics and Pharmacodynamics
- Characteristics, effects, side-effects and applications of (1) drugs act on nervous systems; (2) anti-inflammation, antipyretic and analgesic drugs (3) antiseptics and disinfectants; (4) antibiotics; (5) anti-parasite drugs
- Toxics substances that affect animals.

### Practice parts:

Observe and analyze the effects of drugs and toxic substances on animals.

## LEARNING METHODS

- Attending online and offline lectures
- Doing assignments, discussion, making presenters
- Practicing

## STUDENT'S DUTIES

- Attending lectures
- Reviewing materials
- Discussing, writing reports, giving presentations
- Practicing



## ASSESSMENT METHODS

Rubric	Expected Learning Outcomes	Rate (%)
Rubric 1. Attendance and quick tests	K1, K2, K4	10
Rubric 2. Practice	K1, K2, K3, K4	30
Rubric 3. Final exam	K1, K2, K4	60

## LECTURERS

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