

## COURSE SYLLABUS (CODE: CN03308) NUTRITIONAL DISORDERS IN ANIMALS

### 1. General information

Course: Nutritional disorders in animals (CN03308)

Credits: 2 (Lecture: 2,0 – Practice: 0 – Self-study: 6,0)

Training program: Animal Science (Option 1: Animal production & Health, Option 2: Animal nutrition & Feed technology)

### 2. Expected learning outcomes (ELOs)

Notation	Course expected learning outcomes After successfully completing this course, students are able to	Program expected learning outcomes
<b>Knowledge</b>		
K1	Analyze nutritional disorders caused by deficiency and excess of nutrients, toxins and harmful substances in feed.	ELO 2: <b>Analyze</b> factors affecting the animal breed production, nutrition, and animal health
K2	Evaluate the impact of nutritional diseases on productivity, quality and efficiency of livestock	ELO 3: <b>Evaluate</b> the efficiency of animal breed production, nutrition and animal health
<b>Skills</b>		
K3	Use multimedia proficiently to present issues related to nutritional diseases of livestock	ELO 7: <b>Communicate</b> effectively using multimedia, adapt well in multi-cultural environment; meet the required standards of English proficiency issued by Ministry of Education and Training
<b>Attitude</b>		
K4	Demonstrate responsibility in quality control of animal feed to improve animal health and food safety and hygiene	ELO 13: <b>Demonstrate</b> responsibility to protect the environment, public health and respect animal welfare

### 3. Brief descriptions

Chapter 1: General nutritional disorders

Chapter 2: Diseases caused by deficiency and excess of nutrients

Chapter 3: Mycotoxins in animal feed

Chapter 4: Heavy metals in animal feed

Chapter 5: Harmful substances in animal feed

Chapter 6: Metabolic disorders in domestic animals

### 4. Learning methods

- Students read the textbooks and references by themselves,
- Participate in class discussion

- Find references, discuss
- E-learning: Find and look up references;

### **5. Assessment methods**

- Grading scale: 10
- Average point: is the sum of the rubric scores multiplied by the weight of each rubric
  - + Class participation: 10%
  - + Mid-term test: 30%
  - + Final examination: 60%

### **6. Student tasks**

- Attendance: Students must attend at least 75% of the class and participate in class activities (discussion in class and on e-learning system, etc.).
- Complete the mid-term test and the final examination.

### **7. Key academic staffs**

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Communicate with key academic staffs: via email, phone and e-learning system, MS Teams.