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
Knowledge		
K1	Distinguish nutritional disorders caused by deficiency and excess of nutrients, toxins and harmful substances in feed	ELO 2: **Analyze** factors affecting the animal breed production, nutrition, and animal health
K2	Evaluate the effect of nutritional diseases on productivity, quality and efficiency of livestock production	ELO 3: **Evaluate** the efficiency of animal breed production, nutrition and animal health
Skills		
K3	Use multimedia proficiently to present issues related to nutritional diseases in livestock production	ELO 7: **Communicate** effectively using multimedia, adapt well in multi-cultural environment; meet the required standards of English proficiency issued by Ministry of Education and Training
Ethics and attitudes		
K4	Demonstrate responsibility to control quality of animal feed to improve animal health and food safety	ELO 13: **Demonstrate** 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 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

Full name: Le Viet Phuong　　　　　　Title: Dr.

Office address: VNUA　　　　　　Phone number: 0984217707

Email: lvphuong@vnua.edu.vn　　　　　　Website: https://www.vnua.edu.vn/

Full name: Dang Thuy Nhung　　　　　　Title: Assoc. Prof.

Office address: VNUA　　　　　　Phone number: 0357 269 829

Email: dtnhung@vnua.edu.vn　　　　　　Website: https://www.vnua.edu.vn/

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