

COURSE SYLABUS (Code: CN03302) ANIMAL FEEDS

1. General information

Course: Animal feeds (CN03302)

Credits: 2 (Lecture: 1.5 – Practice: 0.5 – Self-study: 6.0)

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

2. Expected learning outcomes (ELOs)

Items	Course expected learning outcomes After successfully completing this course, students are able to	Program expected learning outcomes
Knowledge		
K1	Identify the factors affecting feed and feeding processing	ELO 3: Evaluate the efficiency of animal breed production, nutrition and animal health
K2	Formulate the optimal rations for different animals from existing feed ingredients	ELO 4: Design livestock production programs to ensure sustainable development
Skills		
K3	Implement proficiently basic techniques in processing and preserving animal feed ingredients	ELO 5: Apply effectively creative and critical thinking, and problem-solved skills to scientific research and professional practice
K4	Collaborate in groups for practical exercises to improve the efficiency of processing/ preserving feed ingredients	ELO 6: Coordinate teamwork in professional activities to achieve objectives as a member or a manager
K5	Use proficiently specialized software to formulate feed rations for different animals	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		
K6	Develop the idea of formulation of feed rations from local ingredients	ELO 14: Perform the habits of life-long learning

3. Brief descriptions

Chapter 1: Concept and classification of feed

Chapter 2: The rich-energy feed

Chapter 3: The rich-protein feed

Chapter 4: Roughage

Chapter 5: Animal feed additives

Chapter 6: Feed processing

4. Learning methods

- Students read the textbooks and references by themselves,
- Participate in class discussion
- Find references, discuss
- Practice
- E-learning: Find and look up references; do homework

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.)
- Practice: Students must attend all practice content
- 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.