

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	Program expected learning outcomes
	After successfully completing this course, students are able to	
Knowledge		
K1	Evaluate the characteristics of animal feed based on sensory and chemical composition, nutritional value of feed. The factors affecting to the production and using of animal feeds.	ELO 3: Evaluate the efficiency of animal breed production, nutrition and animal health
K2	Design of feed production pilots for farms	ELO 4: Design livestock production programs to ensure sustainable development
Skills		
K3	Proficiently implement 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 in 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	Survey, collect and process information and database on feed ingredients for feed formulation and feed processing and use	ELO 10: Utilize information technology and modern equipment in livestock industry to serve production and business to achieve objectives
Attitudes		
K6	Comply with local regulations	ELO 12: Comply with state law and specific regulations and professional ethics

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.