COURSE SYLABUS (Code: CN03101)
ANIMAL BREEDING

1. General information

Course: Animal breeding (CN03101)

Credits: 3 (Lecture: 2,5 – Practice: 0,5 – Self-study: 9,0)

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	Analyze factors affecting performance of animals, provide appropriate solutions in livestock production	ELO 2: **Analyze** factors affecting the animal breed production, nutrition, and animal health
K2	Evaluate the efficiency of animal selection and breeding that is suitbale with breeding program	ELO 3: **Evaluate** the efficiency of animal breed production, nutrition and animal health
Skills		
K3	Apply the knowledge in animal breeding to manage animal herd to avoid inbreeding and to improve hybrid advantages.	ELO 5: **Apply** effectively creative and critical thinking, and problem-solved skills to scientific research and professional practice
K4	Use animal breeding management software, the devices in determining the animal performance that helps herd management and animal selection to improve animal productivity and product quality.	ELO 10: **Utilize** information technology and modern equipment in livestock industry to serve production and business to achieve objectives.
Attitude		
K5	Comply with state law, specific regulations and have responsibility in developing amimal breeding program.	ELO 12: **Comply** with state law and specific regulations and professional ethics

3. Brief descriptions

Chapter 1: Basics of animal breeding

Chapter 2: Animal productive traits

Chapter 3: Genetic relationship

Chapter 4: Selection response

Chapter 5: Animal breeding value

Chapter 6: purebred breeding

Chapter 7: crossbred

Chapter 8: organization animal breeding system

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

- Formative assessment: 40%

      + Attendance and Attitude :10%

      + Midterm assessment (practice & midterm exam): 30%

- Summative assessment (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.