

COURSE SYLABUS (Code: CN03502) CATTLE AND BUFFALO PRODUCTION

1. General information

Course: Cattle and buffalo production (CN03502)

Credits: 3 (Lecture: 2 - Practice: 1 - 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	Evaluate technical procedures in animal breeding, nutrition, feed and animal health	ELO 3: Evaluate the efficiency of animal breed production, nutrition and animal health
K2	Determine the farm requirements to setup a livestock plan for cattle and buffaloes to ensure sustainable livestock production	ELO 4: Design livestock production programs to ensure sustainable development
Skills		
K3	Organise effectively teamwork in surveying, collecting, processing data to achieve the target goals	ELO 6: Coordinate teamwork in professional activities to achieve objectives as a member or a manager
K4	Use proficiently software, equipment to technical procedure in cattle and buffalo production	ELO 10: Utilize information technology and modern equipment in livestock industry to serve production and business to achieve objectives
K5	Evaluate precisely quality and productivity of cattle and buffalo	ELO 11: Perform properly the basic and intensive technical procedure in livestock production
Ethics and attitudes		
K6	Comply with safety requirements in laboratories	ELO 12: Comply with state law and specific regulations and professional ethics

3. Brief descriptions

Chapter 1: General introduction of cattle and buffalo production

Chapter 2: Breeds and breeding program

Chapter 3: Nutrition and feeds for cattle and buffaloes

Chapter 4: Housing and waste management

Chapter 5: Bull feeding and management

Chapter 6: Cow feeding and management

Chapter 7: Calf care and management

Chapter 8: Beef cattle feeding and management

Chapter 9: Dairy cattle feeding and management

Chapter 10: Drought cattle feeding and management

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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Communication with lectures: Email, phones and E-learning