

COURSE SYLLABUS



CD03204:ENGINEERING IN ANIMAL PRODUCTION

Credits: 02 (Lectures 1,5 – Practices 0.5 – Self-study 06)

EXPECTED LEARNING OUTCOMES

| Indicators | Upon completion of the course, Students are able to | Expected learning outcomes of the program |
|------------------|--|--|
| Knowledge | | |
| K1 | Select the appropriate breeding technology for each type of animal. | |
| K2 | Describe the working principle and structural principle of the machine and equipment in the livestock barn | |
| K3 | Analyze and evaluate the advantages and disadvantages of machines and equipment in livestock barns | |
| K4 | Calculation of economic - technical criteria of machines and equipment used in livestock barns | |
| Skills | | |
| K5 | Proficient in the use, maintenance and repair of livestock machinery and equipment. | ELO 10: Utilize information technology and modern equipment in livestock industry to serve production and business to achieve objectives |
| K6 | Proficient in finding documents, self-studying, discussing, working in groups | ELO 6: Coordinate teamwork in professional activities to achieve objectives as a member or a manager 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 |
| Attitude | | |
| K7 | Show seriousness, self-discipline, boldness to explore, think, criticize, debate, and be creative in learning. | ELO 12: Comply with state law and specific regulations and professional ethics |

COURSE CONTENT

- Chapter 1: **Mechanization of livestock barns**
- Chapter 2: **The main equipment in the barn**
- Chapter 3: **Specialized equipment in some livestock farms**
- Chapter 4: **Organizing the use of machines in animal husbandry**

STUDENT'S MISSION

- Attend at least 75% of theoretical hours in class and 100% of practical hours.
- Prepare for lectures, read reference books before going to class
- Take the midterm exam or do an essay
- Mandatory for all students taking this course

ASSESS AND GIVE US POINTS



LEARNING METHODS

- Read the document
- Listen to lectures,
- Discussion, report writing, presentation
- Practice, experiment
- Learn online

| Rubric | Expected Learning Outcomes | Rate (%) |
|-----------------------------|----------------------------|----------|
| Rubric 1. Attend class | K7 | 10 |
| Rubric 2. Discussion groups | K1, K2, K3, K4, K6 | 20 |
| Rubric 3. Practice | K1, K2, K3, K5 | 20 |
| Rubric.4. Final examination | K1, K2, K3, K4 | 50 |

TEACHER IN CHARGE ONLY

1. A.Prof..Dr. Tran Nhu Khuyen
2. MA. Hoang Xuan Anh