THAI NGUYEN UNIVERSITY

UNIVERSITY OF AGRICULTURE

AND FORESTRY

SOCIALIST REPUBLIC OF VIETNAM

Independence-Freedom-Happiness

PROGRAMME LEARNING OUTCOMES (PLOs)

OF ANIMAL SCIENCE AND VETERINARY MEDICINE PROGRAMME

Decision No 1728/ QĐ-KT&ĐBCLGD dated on December 31, 2016 by the Rector of TNU - University of Agriculture and Forestry

1. Training objectives of the program

Training engineers of Animal Science and Veterinary Medicine to meet the needs of the society in the career of developing science and technology in the specialized field of Animal Science and Veterinary Medicine

This program aims to provide human resources with high professional qualifications and skillful skills. Having good health, good ethical qualities, and respect for their profession. Ability to continue learning, participating in learning at higher education levels

2. Learning Outcome of the training program

2.1. Knowledge requirement

General knowledge

- Students understand, analyze and evaluate the scientific knowledge system of the basic principles of Marxism-Leninism; Ho Chi Minh Thought; Policy and guidelines of the Party, State and law. Applying the above scientific knowledge in real life

- Students have capacities analyze personal psychological characteristics and apply basic knowledge of Civil Law, Criminal Law, Labor, Economics, ... into practical career and life.

- Students understand the impacts of economic and technical solutions on the livestock sector in the current economic, environmental and social context and apply the basic rules and regulations of society to fields in the livestock industry

- Students are applied knowledge about biology and behavior of animals into the care, nurturing, prevention, treatment and protection of animal welfare.

- Students are analyzed and applied biological, chemical and physical processes related to animals in practice

- Applying the knowledge about design of barn and waste management to practice husbandry

- Applying knowledge about animal nutrients, food and forage crops, ... to care and nurture animals.

Applying knowledge of selecting, breeding and breeding livestock in the field of animal husbandry;

- Explain and apply advanced knowledge about selecting and breeding breeds, characteristics of nutrients for the digestion and absorption of animals into farming practices

- Explain and apply advanced knowledge about physiological characteristics and breeds; nutrition requirements - feed in the breeding; designing and constructing barn, facilities and equipment; breeding techniques for all kinds of animals

- Apply advanced knowledge about diseases and typical pathogens in livestock and poultry to prevent and treat diseases animals.

- Explain and apply knowledge of management, operating professional activities, environmental protection, marketing in agriculture to ensure hygiene, safety and sustainable development.

- Applying basic legal knowledge in legal documents related to animal science

2.1. Skills requirement

2.1.1. Professional skills: Program aims to produce graduate who are:

- Capable of application, professional development and adaptation to diverse working environments

- Skill in solving and professional consulting issues in the field of animal science and veterinary such as: feed production, feed formulation, selection and reproduction, implementation of technique in animal production, ingredient analysis, product quality; diagnosis, prevention and treatment of animal diseases.

- Capable to search and use information in the field of animal husbandry: analysis, market prediction of livestock products and related products

- Capable of planning, organizing and operating production and business in the livestock sector;

Able to skills to synthesize, analyze, evaluate, forecast, and write scientific reports

- Able to search and conduct researches to improve knowledge

2.1.2. Soft skills

- Skills in communication, collaboration and working with the community. Competent in use of media to propagate and disseminate professional knowledge to the community

- Capable to teamplayers, work independently; synthesize, analyze and evaluate data related to the livestock sector and collect collective opinion and use new achievements in science and technology to solve real problems in the livestock sector

- Have knowledge in English proficiency TOEIC 400

- Good at use of office informatics software, applied informatics and specialized software in feed formulation and statistical processing.

- Act in recognition of ethical and cultural and social differences of different social groups;

- Ability to work with a certain group of people (farmers or interest groups ...) in a specific context with supervision / guidance;

- Ability to make decisions about them actions and to take responsibility for that behavior / action

2.3. Attitude and moral competency

- Understanding ethical and social issues to transfer technology to different social groups

- Apply social and ethical principles in the professional field to come up with appropriate solutions

- Ability to make judgments based on socially accepted ethical norms, accountable to superiors and subordinates

RECTOR	**DEAN ASVM**

HIỆU TRƯỞNG

PGS.TS. *Trần Văn Điền*

Phan Thi Hong Phuc