21 December 2018

Course: Poultry Production System

1. **Type** : Specialization's Compulsory
2. **Code** : PTD 6203
3. **Credit** : 2/0
4. **Semester** : Even
5. **Description** :

   This course focused on the comprehension of poultry production system as meat and egg producer. The comprehension is intended to explore and design a sustainable poultry production. The development of production system by considering the multiple purposes of animal, economic viability, social acceptability, animal welfare, and environmental aspects.

6. **Course Outcomes (CO)**

   CO 1 : Able to explain the complexity of poultry system production.

   CO 2 : Able to explain the sustainability of poultry system production and its economic, environmental, social indicators.

   CO 3 : Able to design a sustainable poultry system production.

7. **The Alignment Between CO and ELO**

CO*	ELO**																	
	A				B			C				D					
	1	2	3	4	1	2	3	1	2	3	4	1	2	3	4	5	6
CO 1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CO 2												✓	✓	✓	✓	✓	✓
CO 3								✓	✓	✓	✓						

*CO refers to point 6.

**Expected Learning Outcomes (ELO) are written below,

A. Attitudes and Behaviors	
The graduates are able to behave well, correctly, and culturally as the result of internalization and actualization of values and norms, which is reflected in a spiritual and social life through learning process, experience, research, and/or community development in the animal husbandry.	
1	Piety to God and be able to show religious attitude and maintain the humanity values in carrying the task, which is based on religion, moral, and ethics.
2	Be proud and love the homeland show nationalism, and contribute to the improvement of the life quality in the community, nation and country, and the advancement of civilization according to Pancasila.
3	Showing the social sensitivity and attention to the community and environment by respecting the culture diversity, view, religious, beliefs, and other people's opinion, and also obey the rules.
4	Be accountable in carrying the professional practice that includes ability to accept accountability towards decision and professional action. It shall be according to the scope of the practice under their responsibility and laws.
B. Mastery in Sciences	
Master the theory of the current science in the animal husbandry and its application.	
1	Able to master the current animal science and its application theory.
2	Able to master the livestock production science, animal nutrition and fed science, animal products technology, and the livestock social economics in relation to food security and environment.
3	Able to master the design, management, and development of livestock research.

C. Special Skills The graduates are able to develop science, technology, and arts in the animal husbandry through interdisciplinary/multidisciplinary innovative and tested research.	
1	Able to make innovation in the animal husbandry based on the development of science and technology.
2	Able to design interdisciplinary and multidisciplinary research in the animal husbandry.
3	Able to formulate and solve problems in the national development especially in terms of animal husbandry.
4	Able to solve problems and anticipate issues in the development of animal science and industry.
D. General Skills The graduates are able to manage resources by utilizing science, technology, and arts to solve problems in the animal husbandry with current science and also conduct research with accountability and full responsibility.	
1	Able to develop logical, critical, systematic, and creative thought through scientific research, creation of design in the science and technology, which pays attention and applies humanity values according to their expertise. The graduates are able to arrange scientific concept and the study result based on the principles, procedures, and scientific ethics.
2	Able to identify the science that becomes their research object and position it to a research map by using information technology in the context of science development and expertise implementation developed through interdisciplinary or multidisciplinary approaches.
3	Able to make a decision in the context of solving problems in the development of science and technology, which pays attention and applies humanity values based on analysis study or experiment towards information and data.
4	Able to communicate the result of reasoning and scientific research in form of thesis and scientific writing responsibly based on academic ethics in the accredited national journal.
5	Able to maintain the academic integrity generally and avoid the plagiarism practice.
6	Able to communicate spoken and written English effectively by using the information technology for the development of animal science and its implementation.

8. Course Content

Week	CO	Topic/Subtopic	Learning Activity	Assessment Tools	Allocated Time	Lecturer
1	1	Introduction on the poultry production system	Classical lecture, self-study, and discussion	Midterm	2	Prof. Dr. Ir. Sri Harimurti, SU
2	1	Scientific and research-based approaches on poultry production system (both in tropical and sub-tropical regions)	Classical lecture, self-study, and discussion	Midterm	2	Prof. Dr. Ir. Sri Harimurti, SU
3	1	Scientific and research-based approaches on poultry production	Classical lecture, self-study, and discussion	Midterm	2	Prof. Dr. Ir. Sri Harimurti, SU

		(both in tropical and sub-tropical regions)				
4	1	System concept of poultry production	Classical lecture, self-study, and discussion	Midterm	2	Prof. Ir. Wihandoyo, MS., Ph.D
5	1	Poultry production system as part of agricultural system	Classical lecture, self-study, and discussion	Midterm	2	Prof. Ir. Wihandoyo, MS., Ph.D
6	2	Sustainability: • Definition • Monitoring	Classical lecture, self-study, and discussion	Midterm	2	Prof. Ir. Wihandoyo, MS., Ph.D
7	3	Defining problem and stakeholders in poultry production system	Classical lecture, self-study, and discussion	Midterm	2	Dr. Ir. Sri Sudaryati, MS
Midterm Examination						
8	1	Defining EES issues	Classical lecture, self-study, and discussion	Final Examination	2	Dr. Ir. Sri Sudaryati, MS
9	1	Translating EES issues into sustainability indicators	Classical lecture, self-study, and discussion	Final Examination	2	Dr. Ir. Sri Sudaryati, MS
10	1	Model optimization	Classical lecture, self-study, and discussion	Final Examination	2	Dr. Ir. Heru Sasongko, MP
11	1	Scenario optimization	Classical lecture, self-study, and discussion	Final Examination	2	Dr. Ir. Heru Sasongko, MP
12	2	Prospect and modelling limitation	Classical lecture, self-study, and discussion	Final Examination	2	Dr. Ir. Heru Sasongko, MP

13	2	Presentation and general discussion	Classical lecture, self-study, and discussion	Final Examination	2	drh. Bambang Ariyadi, MP., Ph.D
14	3	Presentation and general discussion	Classical lecture, self-study, and discussion	Final Examination	2	drh. Bambang Ariyadi, MP., Ph.D
Final Examination						

9. Assessment

Component	CO	Percentage (%) for final grade	Minimum Satisfactory Level
Midterm	1	35	70
Quiz	3	10	70
Presentation	3	10	70
Paper	3	10	70
Final Examination	2,3	35	70
Total		100	

10. Lecturer

1. Prof. Dr. Ir. Wihandoyo, MS., Ph.D.
2. Prof. Dr. Ir. Sri Harimurti, SU.
3. Dr. Ir. Heru Sasongko, MP.
4. Dr. Ir. Sri Sudaryati, MS.
5. Drh. Bambang Ariyadi, MP., Ph.D.

11. Reference