

Course: Packaging and Display of Animal Products

1. **Type** : Specialization's Elective
2. **Code** : PTH 6406
3. **Credit** : 2/0
4. **Semester** : Odd
5. **Description** :

The course of packaging and display of animal product is elective course with 2 semester credit units. The material encompasses the development and packaging technology, design, packaging function and also animal product display technique.

6. Course Outcomes (CO)

- CO 1 : Able to comprehend the packaging development and technology
 CO 2 : Able to understand the animal product packaging characteristics
 CO 3 : Able to comprehend the design and function of animal product packaging

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	CO1	Packaging Science Overview	Classical lecture, student presentation, discussion	Exam	2 x 50 minutes	Dr. Endy Triyannanto
2	CO1	Business Aspects of Animal Products Packaging and Display	Classical lecture, student presentation, discussion	Exam	2 x 50 minutes	Dr. Endy Triyannanto
3	CO1	Packaging and Environmental sustainability	Classical lecture, student presentation, discussion	Exam	2 x 50 minutes	Dr. Endy Triyannanto

4	CO2	Animal Science Products Packaging	Classical lecture, student presentation, discussion	Exam	2 x 50 minutes	Dr. Endy Triyannanto
5	CO2	Animal Science's Packaging Practices	Classical lecture, student presentation, discussion	Exam	2 x 50 minutes	Dr. Endy Triyannanto
6	CO3	Design Technology and Display	Classical lecture, student presentation, discussion	Exam	2 x 50 minutes	Dr. Rio Olympias Sujarwanta
7	CO3	Specification and Packaging Standards	Classical lecture, student presentation, discussion	Exam	2 x 50 minutes	Dr. Rio Olympias Sujarwanta
Midterm Examination						
8	CO1	Packaging Materials	Classical lecture, student presentation, discussion	Exam	2 x 50 minutes	Dr. Rio Olympias Sujarwanta
9	CO1, CO3	Packaging Processes and Equipment	Classical lecture, student presentation, discussion	Exam	2 x 50 minutes	Dr. Rio Olympias Sujarwanta
10	CO1	Branding, Labelling, and Packaging	Classical lecture, student presentation, discussion	Exam	2 x 50 minutes	Dr. Rio Olympias Sujarwanta
11	CO1, CO2, CO3	Discussion and paper presentation	Classical lecture, student	Exam	2 x 50 minutes	Dr. Edi Suryanto

			presentation, discussion			
12	CO1, CO2, CO3	Discussion and paper presentation	Classical lecture, student presentation, discussion	Exam	2 x 50 minutes	Dr. Edi Suryanto
13	CO1, CO2, CO3	Discussion and paper presentation	Classical lecture, student presentation, discussion	Exam	2 x 50 minutes	Dr. Edi Suryanto
Final Examination						

9. Assessment

Component	CO	Percentage (%) for final grade	Minimum Satisfactory Level
Midterm	CO 1; CO 2; CO 3	35	70
Final Exam	CO 1; Co 3	35	70
Assignment	CO 1; CO 2; CO 3	20	70
Discussion	CO 1; CO 2; CO 3	10	70
Total		100	

10. Lecturer

1. Dr. Endy Triyannanto, S.Pt., M.Eng., IPM.
2. Dr. Rio Olympias Sujarwanta, S.Pt., M.Sc.
3. Ir. Edi Suryanto, M.Sc, Ph.D., IPU.

11. Reference