Module designation	Meat, Draught, and Companion Production System
Semester(s) in which the module is taught	Odd semester
Person responsible for the module	Prof. Dr. Ir. Endang Baliarti, SU. Ir. Tri Satya Mastuti Widi, S.Pt., M.P., M. Sc., Ph.D., IPM., ASEAN Eng. Prof. Dr. Ir. Nono Ngadiyono, MS., IPM., ASEAN Eng. Prof. Ir. I Gede Suparta Budisatria, M.Sc., Ph.D., IPU., ASEAN Eng. Ir. Panjono, S.Pt., M.P., Ph.D., IPM., ASEAN Eng.
Language	Bahasa and English
Relation to curriculum	Specialization's Compulsory
Teaching methods	Classical lecture and discussion
Workload (incl. contact hours, self-study hours)	Total workload: 79 hours Contact hours: - Lecture: 23 hours - Academic activity: 28 hours Private study: 28 hours
Credit points	2/0
Required and recommended prerequisites for joining the module	None
Module objectives/intended learning outcomes	Course Outcomes (CO): 1. Able to describe the production system of meat, draught, and companion animals, and its relation between the subsystem (components), problems, and stakeholders. 2. Able to study the development of commodities, products and regions. 3. Able to elaborate the aspects of the development and application of technology, legislation and regulation in the production system of meat, draught, and companion animals. Expected Learning Outcomes: - Attitudes and Behaviors: 1. 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. (CO1, CO2, CO3) - Mastery in Sciences: 1. Able to master the current animal science and its application theory. (CO1, CO2, CO3) 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. (CO1, CO2, CO3) 3. Able to master the design, management, and development of livestock research. (CO3) - Special skills: 1. Able to make innovation in the animal husbandry based on the development of science and technology. (CO3) 2. Able to design interdisciplinary and multidisciplinary research in the animal husbandry. (CO3) 3. Able to formulate and solve problems in the national development especially in terms of animal husbandry. (CO3)

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<tr><td></td><td>4. Able to solve problems and anticipate issues in the development of animal science and industry. (CO3)
- General skills:
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. (CO1, CO2, CO3)
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. (CO1, CO2, CO3)
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. (CO3)
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. (CO2, CO3)
5. Able to maintain the academic integrity generally and avoid the plagiarism practice. (CO3)
6. Able to communicate spoken and written English effectively by using the information technology for the development of animal science and its implementation. (CO2, CO3).</td></tr>
<tr><td>Content</td><td>This course focuses on understanding the production system of meat, draught, and companion animals, as well as its experiments and problems by reviewing the development of commodities, products and regions, and considering aspects of the development and application of technology, legislation and regulation.</td></tr>
<tr><td>Exams and assessment formats</td><td>
<table>
<tr><th>Assessment Components</th><th>Course Outcomes (CO)</th><th>Percentage (%)</th></tr>
<tr><td>1. Midterm exam (written test, take home exam, paper assignment)</td><td>CO1</td><td>35</td></tr>
<tr><td>2. Final exam (written test, take home exam, paper assignment)</td><td>CO2</td><td>35</td></tr>
<tr><td>3. Short quizzes</td><td>CO1</td><td>5</td></tr>
<tr><td>4. Structural assignments</td><td>CO3</td><td>25</td></tr>
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<table>
<tr><th colspan="4">Grade and Score</th></tr>
<tr><th>Grade</th><th>Score</th><th>Grade</th><th>Score</th></tr>
<tr><td>A</td><td>≥80</td><td>C+</td><td>45-49,9</td></tr>
<tr><td>A-</td><td>75-79,9</td><td>C</td><td>40-44,9</td></tr>
<tr><td>A/B</td><td>70-74,9</td><td>C-</td><td>35-39,9</td></tr>
<tr><td>B+</td><td>65-69,9</td><td>C/D</td><td>30-34,9</td></tr>
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	B	60-64,9	D+	25-29,9
	B-	55-59,9	D	20-24,9
	B/C	50-54,9	E	0-19,9
Study and examination requirements	The final grade in the module is composed of 35% performance on Midterm exam, 35% final exam, 5% quiz, and 25% take-home written assignment. Students must have a final grade of 70% or higher to pass			
Reading list	- A review of farm level indicators of sustainability with a focus on CAP and FADN - SAFA: Sustainability assessment of food and agriculture Systems indicators. Food and Agriculture Organization of the United Nations - Rome 2013 - BAROMETER Sustainability: What it's for and how to use it. IUCN. The World Conversation Union. 1996. - A Method Using Sustainability Indicators to Compare Conventional and Animal-Friendly Egg Production Systems. Poultry Science 81:173–181. - Livestock Production System. Lecture Note. I. G. S. Budisatria dan H. M. J. Udo. - System Approach in Animal Sciences. Lecture Material. Wageningen University.			