



# FACULTY OF AGRICULTURE

## DEPARTMENT OF ANIMAL SCIENCE

### UNDERGRADUATE PROGRAM

### MODULE HANDBOOK

Module designation	Animal Husbandry Extension (SPTK2040)
Semester(s) in which the module is taught	4 <sup>th</sup> Semester
Person responsible for the module	Dr. Ir. Dzarnisa, M.Si., IPU
Language	Indonesian, English
Relation to curriculum	Compulsory module for area of interest in Animal Production
Teaching methods	Discussion, questions and answers, group assignments, individual assignments
Workload (incl. contact hours, self-study hours)	<ul style="list-style-type: none"> <li>✓ 50 minutes lecture and discussion per week</li> <li>✓ 60 minutes structured tasks per week</li> <li>✓ 60 minutes learn to be independent per week</li> </ul>
Credit points	1 SKS = 1.6 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	<ul style="list-style-type: none"> <li>✓ Students are able to internalize values, norms, academic ethics, and scientific integrity.</li> <li>✓ Students are able to understand extension science related to the field of animal husbandry.</li> <li>✓ Students are able to understand standard operating procedures in efforts to improve productivity, quality control, and environmental management.</li> </ul>
Content	The course Animal Husbandry Extension aims to develop students' knowledge and skills in planning, implementing, and evaluating livestock extension programs to improve farmers' capacity and productivity. Topics include concepts and principles of agricultural extension, communication techniques, participatory approaches, preparation of extension materials, and evaluation methods. Students will explore case studies and simulations relevant to livestock production systems. Upon completion, students are expected to be able to design effective extension strategies, produce appropriate educational materials, facilitate knowledge transfer to farming communities, and evaluate the impact of extension activities to support sustainable livestock development.
Exams and assessment formats	Written examination, poster, report, presentation and discussion

Study and examination requirements	<ul style="list-style-type: none"> <li>✓ Participatory Activities (Attitude and Discussion): 20%</li> <li>✓ Project Results (Posters, Reports and Presentations): 30%</li> <li>✓ Cognitive/Knowledge: <ul style="list-style-type: none"> <li>Homework/Assignments: 5%</li> <li>Quiz: 5%</li> <li>Exam 1 (From 2<sup>nd</sup> Lecturer): 20%</li> <li>Exam 2 (From 3<sup>rd</sup> Lecturer): 20%</li> </ul> </li> </ul>
Reading list	<ol style="list-style-type: none"> <li>1. Sennuga, S. O., Lai-Solarin, W. I., Adeoye, W. A., &amp; Alabuja, F. O. (2022). Extension's role in improving livestock production: information needs, institutions and opportunities. <i>International Journal of Agriculture and Nutrition</i>, 4(2), 43–51.</li> <li>2. Priyono, A., Amam, A., Jadmiko, M. W., &amp; Harsita, P. A. (2025). Fungsi penyuluhan dalam pembangunan peternakan sapi potong berkelanjutan. <i>Mimbar Agribisnis: Jurnal Pemikiran Masyarakat Ilmiah Berwawasan Agribisnis</i>, 11(1), 492.</li> <li>3. Davis, K., &amp; Sulaiman, R. (2021). <i>Innovations in agricultural extension: Case studies from developing countries</i>. Routledge.  <a href="https://doi.org/10.4324/9781003050092">https://doi.org/10.4324/9781003050092</a>.</li> </ol>