

Module Name	Innovative Agrocomplex
Module Level, if applicable	Beginner
Code if Applicable	220351938
Subtitle, if applicable	-
Courses, if applicable	220351938, Innovative Agrocomplex
Semester(s) in which the module is taught	Semester I
Person responsible for the module	Dr. Ir. Abdul Malik, MP
Lecturer	Abdul Malik, Dr. Ir., M.P. IPU (CO) Ahmad Wahyudi, Dr. Ir. MKes. IPU
Language	Indonesian
Relation to curriculum	Compulsory Courses for undergraduate program in Department of Animal Science Faculty of Agriculture and Animal Science
Type of teaching	Lecture, project
Workload	<ul style="list-style-type: none"> • Lecture : 2 sks x 50 minutes x 16 weeks • Project : 2 sks x 60 minutes x 16 weeks • Independent learning 2 sks x 60 minutes x 16 weeks
Credit points	SKS 2 SCH x (1.5) = 3 ECTS
Requirements according to the examination regulations	<ol style="list-style-type: none"> 1. Registered in this course 2. Minimum 80% attendance in this course
Recommended prerequisites	No Recommended prerequisites

<p>Module Objectives (Intended learning outcomes)</p>	<p>By the end of the module, students should:</p> <ol style="list-style-type: none"> 1. Students can understand the meaning and definition of livestock, animal husbandry, animal husbandry, livestock engineering terms, production facilities, and five animal sciences. 2. Identify types of dairy cattle, beef cattle, and buffalo breeds 3. Identify types, symptoms of disease in dairy cattle, beef cattle, and buffalo breeds 4. Analyze the role of temperature, humidity, environmental topography, and direction of feed ingredients on livestock productivity
<p>Module Content</p>	<p>Understanding of animals, pets, livestock, breeders, people's farms and livestock companies. The role of livestock as a source of animal protein, manpower and manure, as well as supporting other economic problems, understanding of the technical terms of livestock, livestock production facilities, five livestock businesses, types of nations, and livestock species.</p>
<p>Study and examination requirements and forms of examination</p>	<p>Cognitive: Midterm exam, Final exam, Quizzes, Assignments Affective: Assessed from the element /variables achievement, namely (a) Contributions (attendance, active, role, initiative, and language), (b) Being on time, (c) Effort.</p>
<p>Media employed</p>	<p>Classical teaching tools with whiteboard and PowerPoint presentation</p>

Recommended Literature

For Class

A. Compulsory

1. Blackely, J. Dan D.H. Bade, 1991. Animal Science University of Gajah Mada Press. Yogyakarta.
2. Reksohadiprodjo, S., 1975. Introducing Knowledge Animal Science tropical BPFE. Yogyakarta.
3. Suparmiati dan T.E. Prasetyastuti, 1992. Breeding Goats and Sheep Agricultural Insemination Center East Java
4. Anonymous, 1994. Statistics Book Animal Science. Directorate General of Animal Science Department Agriculture Jakarta.

5. Anonymous, 1995. Identification Study Report Development of Various Horse Livestock. The Directorate General of Livestock
6. Ensiminger, E.M. 1990. Beef Cattle Science. The Interstate Printers and Publisher Inc. Danville Illionois.
7. Gunawan Pamungkas, D and Affandy, L. 1998. Bali Cattle. Potential and Productivity and Economic Value. Publisher Kanisius. Yogyakarta.
8. Hardianti, K.K. Suryanto dan DP Widjayanto. 1999. Identification of Livestock Development in Four Agro Zones.
9. Murtedjo, 1995. Raising Beef Cattle. Kanisius Publishers Yogyakarta.
10. Murtedjo, 1998. Caring for Sheep Kanisius Publishers. Yogyakarta.
11. Martoyo, IW. 1990. Development of Bali Cattle in the Last Ten Years (1980 - 1990) in the Bali Cattle National Seminar. Faculty of Animal Husbandry. University of Udayana. Bali.
12. NRC, 1984. Nutrient Requirement of Beef Cattle National Academy Of Science. Washington

	<p>DC.</p> <p>13. Wisnumurti T. Dan G. Cipradi. 1988. Dairy Buffalo and Working Buffalo, Management and Basic Post-Harvest Knowledge. Mediya SaranaPerkasa. Jakarta.</p> <p>14. Bakar, P.J, 1991. The Science of Animal Husbandry. Universitas of Kentucky. Prentice Hall Inc. New Yersey.</p> <p>15. Cahyono B. Raising Sheep and Goats</p> <p>16. Darmono, 1993. Intensive Cattle Management. Penerbit Kanisius. Yogyakarta.</p> <p>17. Yacoeb. N.T. 1994. Budidaya Ternak Kuda. Publisher t Kanisius. Yogyakarta.</p> <p>18. Oks, E.G. 1991. Petani Outstanding Livestock in the Inner Bali Region: Buletin PPS KI No. 39 year 1991. Jakarta</p>
<p>Date of Last Amendment</p>	<p>25th August 2021</p>