PORTOFOLIO

Introduction of Livestock Production

(PTD 2113001)

Oleh:

Ir. Panjono, S.Pt., M.P., Ph.D., IPM., ASEAN Eng.
Prof. Dr. Ir. Nono Ngadiyono, M.S., IPM., ASEAN Eng.
Prof. Ir. Wihandoyo, M.S., Ph.D.
Prof. Dr. Ir. Endang Baliarti, S.U.
Prof. Dr. Ir. Tridjoko Wisnu Murti, DEA.
Prof. Ir. I Gede Suparta Budisatria, M.Sc., Ph.D., IPU., ASEAN Eng.
Prof. Dr. Ir. Budi Prasetyo Widyobroto, DEA., DESS., IPU., ASEAN Eng.
Ir. Heru Sasongko, M.P.
Ir. Yustina Yuni Suranindyah, M.S., Ph.D.
Ir. Tri Satya Mastuti Widi, S.Pt., M.P., M.Sc., Ph.D., IPM., ASEAN Eng.
Sulvia Dwi Astuti SW, S.Pt., M.Sc.
Nur Laili Ma'rufah, S.Pt., M.Sc.
Hamdani Maulana, S.Pt., M.Sc.

ANIMAL SCIENCE AND INDUSTRY STUDY PROGRAM
FACULTY OF ANIMAL SCIENCE
UNIVERSITAS GADJAH MADA

2021

Approval Sheet

Course Name	: Introduction of Animal Production Science
Code/Credit	: PTD 2113001 / 3 (3/0)
Coordinator	:
Name	: Ir. Panjono, S.Pt., M.P., Ph.D., IPM., ASEAN Eng.
Staff Number	: 197009271999031001
Academic Rank	: Pembina/IVa
Current Position	: Lektor Kepala

Yogyakarta, 16 June 2022

Approved Head of Laboratory of Meat, Draught and Companion Animals	Course coordinator
Prof. Dr. Ir. Endang Baliarti, SU. NIP. 197503292002122001	Ir. Panjono, S.Pt., M.P., Ph.D., IPM., ASEAN Eng. NIP. 197009271999031001

Certified by:

Vice Dean for Academic and Student Affairs

Ir. R. Ahmad Romadhoni Surya Putra, S.Pt., M.Sc., Ph.D., IPM., ASEAN Eng.
NIP. 198107092005011003

1. Course Information

a. Description

This course studies the basics of the development of science and the livestock industry which includes introduction of animal breeds, production systems, and animal productivity and factors that influence it. Students are directed to develop the strategies that are needed to improve livestock performance.

This course is compulsory and participated by more than 300 students, which is grouped into 3 parallel classes (A, B, and C). In such large lecture class, it is difficult to apply interactive learning. Learning process might be inefficient and ineffective. To deal with this problem, we need to always improve our learning strategies. Students have to be encouraged to become more active, either as individual or in group. We need to create innovative and creative teaching methods which are able to stimulate all of the students to actively involved in the learning process.

b. Course Outcomes

This course is aimed to give knowledge regarding aspects in livestock production such as animal breeds, production systems, animal productivity parameters, and animal reproduction parameters.

After completing this course, students are expected to be able to:

1. Luaran matakuliah Understand animal breeds and selection parameters
2. Understand the livestock reproduction process
3. Understand the livestock production process
4. Understand the performance of livestock and factors that influence it
5. Able to measure livestock performance and know how to improve it

c. Learning Outcomes

Course Outcomes	CLearning Outcomes																			
	SP							PP					KK			KU				
	1	2	3	4	5	6	7	1	2	3	4	5	1	2	3	1	2	3	4	5
1							√	√								√				
2							√	√								√				
3							√	√								√				
4							√	√	√							√				
5							√	√	√							√				

Workload

a. Lecture class : 13- or 14-times x 3 credits x 100 minutes

b. Assignment :

c. Practical Class :

Self-study :

2. Course Plan

a. Course Schedule

Week	Achievements Learning Subjek	Topic/ Subtopic	Activity	*Assessment Tool*	Lecturer
1		Introduction	Course		e, b, k
2	CO 1	Introduction dairy cattle, disscusions and the meaning of milk for human food	Course and discussion	Exams and quizzes	e, g, i
3	CO 1 and 3	Taxonomy & and breeds of dairy cattle. Bone growth & anatomy	Course and discussion	Exams and quizzes	m, l, i
4	CO 2, 3, dan 4	Learning system of skin, blood, and spleen	Course and discussion	Exams and quizzes	e, g, i
5	CO 3 and 4	Teeth and digestive organ	Course and discussion	Exams and quizzes	m, l, i
6	CO 1	Introduction of meat, work, and companion animal breeds	Course and discussion	Exams and quizzes	d, a, f
7	CO 2, 4, and 5	Livestock reproduction process of meat, draught, and companion animal	Course and discussion	Exams and quizzes	j, a, f
8	CO 3, 4, and 5	Production proses of meat cattle	Course and discussion	Exams and quizzes	d, b, j
9	CO 3, 4, and 5	Production Proses of draught animal	Course and discussion	Exams and quizzes	a, b, j
10	CO 1	Introduction of types, classes, breeds of poultry	Course and discussio n	Exams and quizzes	c, h, k

11	CO 3, 4, and 5	Digestion system and enzymes poulrty digestion	Course and discussio n	Exams and quizzes	c, h, k
12	CO 2, 4, and 5	Poultry endocrinology system	Course and discussio n	Exams and quizzes	c, h, k
13	CO 2, 3, 4, and 5	System reproduction of poultry and egg formation process	Course and discussio n	Exams and quizzes	c, h, k
14		*Wrap up* Science Production cattle	Course and discussio n	Exams and quizzes	All

Abbreviation:

a. Ir. Panjono, S.Pt., M.P., Ph.D., IPM., ASEAN Eng.
b. Prof. Dr. Ir. Nono Ngadiyono, M.S., IPM., ASEAN Eng.
c. Prof. Ir. Wihandoyo, M.S., Ph.D.
d. Prof. Dr. Ir. Endang Baliarti, S.U.
e. Prof. Dr. Ir. Tridjoko Wisnu Murti, DEA.
f. Ir. Hamdani Maulana, S.Pt., M.Sc., IPP
g. Prof. Dr. Ir. Budi Prasetyo Widyobroto, DEA., DESS., IPU., ASEAN Eng.
h. Ir. Heru Sasongko, M.P.
i. Ir. Yustina Yuni Suranindyah, M.S., Ph.D.
j. Ir. Tri Satya Mastuti Widi, S.Pt., M.P., M.Sc., Ph.D., IPM., ASEAN Eng.
k. drh. Bambang Ariyadi, M.P., Ph.D.
l. Sulvia Dwi Astuti SW, S.Pt., M.Sc.
m. Nur Laili Ma'rufah, S.Pt., M.Sc.

b. Learning Method

Teaching discussion was used in this course. Course material was explained and given by lecturers and follow up by discussion in classes.

c. Study Assignment

Componen Evaluation	**Learning Outcomes Courses (CPMK)**	**Persentase (*Weight in Final Grade*)**	**Minimum Value Performance Achievement Student**
Mid-term test	1, 2, 3, 4, dan 5	40%	70
Quiz	1, 2, 3, 4, dan 5	5%	70
assignment	1, 2, 3, 4, dan 5	15%	70
Final test	1, 2, 3, 4, dan 5	40%	70
Total		100 %	

3. Final Grade Evaluation

a. Cumulative grade

No	NIU	Nama	Komponen Penilaian				Total	Nilai dalam huruf *)
			Quis	Tugas	UTS	UAS		
			5%	15%	40%	40%		
1	20/455720/PT/08400	AISAH GALUH SAPUTRI	90	86	86	84.83	94.73	A
2	20/455730/PT/08410	BAGAS ARYA SEJATI	84	63	63	67.50	74.25	A/B
3	20/455732/PT/08412	BESSE TENRI NURUL HIKMAH. AU	88	56	56	75.33	74.13	A/B
4	20/455735/PT/08415	DEA AGUSTIANA	90	90	90	80.67	95.27	A
5	20/455751/PT/08431	KHARISMA DAMAR JATI	92	91	91	82.50	96.85	A
6	20/455752/PT/08432	KHOIRUNNISA	90	54	54	77.67	74.27	A/B
7	20/455756/PT/08436	MARIA DHEANA FARADHITA	95	87	87	82.50	95.10	A
8	20/455782/PT/08462	SETYO NUGROHO	95	71	71	81.67	85.97	A
9	20/459736/PT/08562	RISKA APRILLIANY PUTRI	95	90	90	82.00	96.55	A
10	20/459743/PT/08569	TASYA KURNIA PUTRI	95	90	90	80.67	96.02	A
11	20/462708/PT/08625	HARYO HARI WIBOWO	95	52	52	78.83	74.38	A/B
12	20/455739/PT/08419	ERNA TRIASTUTI	60	67	67	58.23	69.14	B+
13	20/455762/PT/08442	MUHAMMAD WISNU SASONGKO	88	52	52	72.42	70.77	B+
14	20/455778/PT/08458	RIZQI RAHADIAN PRAMANA	85	71	71	63.75	77.30	A/B
15	20/456624/PT/08473	DIOVI NAUFAL MUAFA	82	72	72	66.32	78.43	A/B
16	20/459655/PT/08481	AGENG PRIHATANTO	96	87	87	81.75	94.95	A
17	20/459670/PT/08496	AZIZAH DEWI SETYAWATI	80	53	53	64.40	66.91	B+
18	20/459675/PT/08501	DICKY NUR FAUZI	88	73	73	66.33	79.88	A-
19	20/459705/PT/08531	MUHAMMAD FAJAR NUR AHADI	82	75	75	67.27	80.46	A-
20	20/459713/PT/08539	MUHAMMAD DZAKY ABDUR RAFI	60	62	62	65.08	69.13	B+
21	20/459714/PT/08540	MUHAMMAD ABIYU SABDA ZAFRAN	88	77	77	75.75	85.85	A
22	20/462672/PT/08589	ANNISA CHUSNUL CHOTIMAH	96	64	64	71.65	78.26	A-
23	20/462690/PT/08607	EDY KURNIAWAN	86	54	54	77.25	73.50	A/B
24	20/462694/PT/08611	FAHRIZA MAHFUD KHOIRUDDIN	75	64	64	68.68	73.92	A/B
25	20/462714/PT/08631	JARWANI ARISTA	78	64	64	72.02	75.71	A/B
26	20/462722/PT/08639	M. ERICK MURIA ARDHANA	79	68	68	66.60	75.89	A/B
27	20/462724/PT/08641	MEIRA MUTIARA APRILIA	88	44	44	53.85	58.94	B-
28	20/462746/PT/08663	RAMADHANA AULIA PRABAWA ARIADI	75	60	60	53.12	65.50	B
29	20/462757/PT/08674	SANIA SALSA BILLA	85	62	62	75.33	76.98	A/B
30	20/462769/PT/08686	VICKY ADLIEN RAMADHAN PUTRA	65	56	56	58.00	63.75	B

Note : *:

A	= 81-100
A-	= 76- 80
A/B	= 71-75
B+	= 66-70
B	= 61-65
B-	= 56-60
B/C	= 51-55
C+	= 46-50

C	= 41-45
C-	= 36-40
C/D	= 31-35
D+	= 26-30
D	= 21-25
E	= 0-20

b. Student Analysis Quetionaire

Class A

PTD2113001 Pengantar Ilmu Produksi Ternak
Kelas : A

Nomor	Pertanyaan	Hasil
1	Dosen hadir sesuai jadwal	3.57
2	Dosen menggunakan waktu perkuliahan secara penuh	3.61
3	Mata kuliah mempunyai Rencana Topik Perkuliahan	3.53
4	Perkuliahan sesuai dengan Rencana Topik Perkuliahan	3.49
5	Sumber bahan perkuliahan mudah diperoleh	3.51
6	Dosen menguasai bahan perkuliahan	3.55
7	Dosen memberi kesempatan berdiskusi	3.53
8	Tugas sesuai beban studi	3.49
9	Kuis sesuai beban studi	3.57
10	Soal ujian sesuai materi perkuliahan	3.41
11	Saya dapat memahami materi kuliah yang disampaikan oleh dosen	3.41
12	Setelah mengikuti kuliah, saya termotivasi untuk belajar lebih giat	3.47
Total		3.45

Class B

PTD2113001 Pengantar Ilmu Produksi Ternak
Kelas : B

Nomor	Pertanyaan	Hasil
1	Dosen hadir sesuai jadwal	3.64
2	Dosen menggunakan waktu perkuliahan secara penuh	3.66
3	Mata kuliah mempunyai Rencana Topik Perkuliahan	3.62
4	Perkuliahan sesuai dengan Rencana Topik Perkuliahan	3.57
5	Sumber bahan perkuliahan mudah diperoleh	3.55
6	Dosen menguasai bahan perkuliahan	3.64
7	Dosen memberi kesempatan berdiskusi	3.60
8	Tugas sesuai beban studi	3.60
9	Kuis sesuai beban studi	3.57
10	Soal ujian sesuai materi perkuliahan	3.53
11	Saya dapat memahami materi kuliah yang disampaikan oleh dosen	3.49
12	Setelah mengikuti kuliah, saya termotivasi untuk belajar lebih giat	3.49
Total		3.52

Class C

PTD2113001 Pengantar Ilmu Produksi Ternak
Kelas : C

Nomor	Pertanyaan	Hasil
1	Dosen hadir sesuai jadwal	3.59
2	Dosen menggunakan waktu perkuliahan secara penuh	3.59
3	Mata kuliah mempunyai Rencana Topik Perkuliahan	3.61
4	Perkuliahan sesuai dengan Rencana Topik Perkuliahan	3.61
5	Sumber bahan perkuliahan mudah diperoleh	3.55
6	Dosen menguasai bahan perkuliahan	3.55
7	Dosen memberi kesempatan berdiskusi	3.53
8	Tugas sesuai beban studi	3.51
9	Kuis sesuai beban studi	3.53
10	Soal ujian sesuai materi perkuliahan	3.51
11	Saya dapat memahami materi kuliah yang disampaikan oleh dosen	3.47
12	Setelah mengikuti kuliah, saya termotivasi untuk belajar lebih giat	3.47
Total		3.46

Class D

PTD2113001 Pengantar Ilmu Produksi Ternak
Kelas : D

Nomor	Pertanyaan	Hasil
1	Dosen hadir sesuai jadwal	3.63
2	Dosen menggunakan waktu perkuliahan secara penuh	3.58
3	Mata kuliah mempunyai Rencana Topik Perkuliahan	3.54
4	Perkuliahan sesuai dengan Rencana Topik Perkuliahan	3.54
5	Sumber bahan perkuliahan mudah diperoleh	3.56
6	Dosen menguasai bahan perkuliahan	3.60
7	Dosen memberi kesempatan berdiskusi	3.52
8	Tugas sesuai beban studi	3.50
9	Kuis sesuai beban studi	3.48
10	Soal ujian sesuai materi perkuliahan	3.54
11	Saya dapat memahami materi kuliah yang disampaikan oleh dosen	3.44
12	Setelah mengikuti kuliah, saya termotivasi untuk belajar lebih giat	3.44
Total		3.46

c. Future Plan

4. Apendiks

All materials supporting the learning process, are arranged in a systematic and complete handout. The handout can be accessed in http://elok.ugm.ac.id, community of Introduction of Animal Production Science. Scientific references can be obtained from any sources such as library, internet, magazine, and handbook regarding meat animals, from tropical and subtropical countries as well.