Appendix 4.1

Module Name	**Livestock Mathematic**
Module Level, if applicable	Beginner
Code if Applicable	210354814
Subtitle, if applicable	-
Courses, if applicable	210354814, Livestock Mathematic
Semester(s) in which the module is taught	Semester I
Person responsible for the module	Prof. Dr. Ir. Wahyu Widodo, MS
Lecturer	Prof. Dr. Ir. Wahyu Widodo, MS
Language	Indonesian
Relation to curriculum	Compulsory Courses for undergraduate program in Department of Animal Science Faculty of Agriculture and Animal Science
Type of teaching, contact hours	Type of teaching: Online Class, Discussion and Presentation Contact hours : 2 hours x 14 weeks
Workload	Class : 2 hours x 14 weeks = 28 hours Examination 2 hours x 2 time = 4 hours Total: 32 hours
Credit points	SKS 2/3 SCH x (1.4) = 2.8/4.2 ECTS
Requirements according to the examination regulations	1. Registered in this course 2. Minimum 80% attendance in this course
Recommended prerequisites	No Recommended prerequisites
Module Objectives (Intended learning outcomes)	On successful completion of this course, student should be able to: 1. Students are able to explain the basic concepts of mathematics 2. Students are able to identify, classify and characterize the system of equations contained in feed formulations, econometrics and applications in financing calculations as well as the design of manufacturing equipment/farm business 3. Students are able to apply matrices into equations to help solve mathematical problems in general business/activities and livestock
Module Content	This course discusses the basic concepts and applications of mathematics in the field of animal husbandry and its functions for life/nature and living things (plants,

	animals/livestock and humans), as well as for industry.
Study and examination requirements and forms of examination	**Cognitive:** Midterm exam, Final exam, Quizzes, Assignments **Psychomotor:** Practice **Affective:** Assessed from the element /variables achievement, namely (a) Contributions (attendance, active, role, initiative, and language), (b) Being on time, (c) Effort.
Media employed	Classical teaching tools with white board and power point presentation
Recommended Literature	For Class A. Compulsory 1. Higher Mathematical Education Books 2. Matematika untuk Perguruan Tinggi, Danang Mursita B. Option 1. Schaum's Outlines: Matematika Universitas (Edisi 3) oleh Frank Ayres Jr., Philip A. Schmidt 2.
Date of Last Amendment	25th August 2022