

Appendix 4.1

Module Name	Animal Genetics and Breeding
Module Level, if applicable	Beginner
Code if Applicable	120354682
Subtitle, if applicable	-
Courses, if applicable	120354682, Animal Genetics and Breeding
Semester(s) in which the module is taught	Semester II
Person responsible for the module	Dr. Ir., Aris Winaya, M.M.,M.Si
Lecturer	Dr. Ir., Aris Winaya, M.M.,M.Si
Language	Indonesian
Relation to curriculum	Compulsory Courses for undergraduate program in Department Animal Science Faculty of Agriculture and Animal Science
Type of teaching, contact hours	Type of teaching: Face to face, Practical, Discussion, and Presentation Contact hours : 3 hours x 14 weeks
Workload	Class : 3 hours x 14 weeks = 42 hours Practical class : 1 hours x 14 weeks = 14 hours Examination 2 hours x 2 time = 4 hours Total: 60 hours
Credit points	SKS 4 SCH x (1.4) = 5.6 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)	This course discusses the concepts of Mendel's 1 st and 2 nd laws, the principles of probability, chi square and gene frequency, qualitative and quantitative traits, relatability and heritability, and breeding values.
Module Content	On successful completion of the Master Thesis, students should be able to: <ol style="list-style-type: none"> 1. Students are able to explain Mendel's 1st and 2nd laws 2. Students are able to identify, classify and characterize principles of probability 3. Students are able to define Chi square and gene frequency 4. Students are able to enumerate and explain breeding values
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 Will Depend on The Topic For Practical Class Will Depend on the Topic
Date of Last Amendment	25 th August 2022