

Module Handbook

Modul Name	Animal Genetic
Modul Level	1 (Bachelor)
Abbreviation, if applicable	BIG102
Sub-heading, if applicable	
Courses included in the module, if applicable	
Semester/term	3/2
Module coordinator(s)	Sunaryo Hadi W, drh., MP.
Lecturer(s)	1. Sunaryo, drh., MP. 2. Prof. Dr. Kusnoto Supranianondo.P., drh., MS. 3. Dr. Sri Hidanah, Ir., MS. 4. Emmy Koestanti, drh., M.Si. 5. Dr. Dady S. Nazar, drh, MSc
Language	Bahasa Indonesia and English
Classification within the curriculum	Compulsory/ elective course
Teaching format/class hours per week during the semester	2 class hour lecture (2 x 170 minutes lecture) x 14 weeks
Workload per semester	340 minutes lecture is divided into 100 minutes face to face interaction, 100 minutes assignment, 140 minutes independent study.
Credit points	2 (lecture) (~3.02 ECTS)
Requirements	-
Learning goals/competencies	Students are able to explain the pattern of inheritance and breeding as back ground knowledge that can be used to improve livestock quality (productivity, resistance to disease, preservation, etc.) in order to improve the welfare of farmers or livestock business properly and correctly
Content	The College of Animal Genetics provides a basic understanding of the nature of individual genetic inheritance and animal populations qualitatively and quantitatively, the selection system, the breeding system of inbreeding and outbreeding, and designing improvements in the genetic quality of animals.
Softskills attribute	Interpersonal relations, discipline, achievement motivation, analytical thinking, IT skills.
Study/exam achievements	Final exam (33.3%), midterm (22.2)%, assignment(16.7%), quizzes (16.7%), soft skill (11.1%)
Forms of media	Computer projector, white board, AULA (Airlangga University e-Learning Application)
Literatures	1. Bourdon RM. 1999. Undertanding Animal Breeding. 2 nd Ed. Amazon.com.

	<p>2. Nicholas FW. 2009. Introduction to Veterinary Genetics. 3th Ed. Amazon.com.</p> <p>3. Rechi LJ, AA.Villena, PG. Prieto and VR del Valle. 2010. Animal Genetics (animal science, Issue and Professions). 1st Ed. Amazon.com.</p>
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