

Module Handbook

Modul Name	Ruminant Science
Modul Level	1 (Bachelor)
Abbreviation, if applicable	KHR102
Sub-heading, if applicable	
Courses included in the module, if applicable	
Semester/term	2/1
Module coordinator(s)	Setyo Widodo, drh., MVet.
Lecturer(s)	1. Prof. Dr. Kusnoto Supranianondo.P., drh., MS. 2. Dr. Sri Hidanah, Ir., MS. 3. Sunaryo, drh., MP. 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	Introduction to Veterinary Science (KHR101)
Learning goals/competencies	Students are able to explain the ruminant animal husbandry business which includes: management of dairy and cutting livestock, especially dairy cows, dairy goats, beef cattle and sheep properly and correctly
Content	Ruminant Animal Sciences discusses the management factors of dairy cattle (dairy cows and dairy goats) and beef cattle (beef cattle, sheep and goats). Management factors include seed selection (nation), selection, health control, feed program, housing system, sanitation and cage hygiene, human resource development and analysis of ruminants livestock business.
Softskills attribute	Cooperation, interpersonal relations, discipline, achievement motivation, analytical thinking
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. Morris S and D. Smeaton. 2009. Profitable Farming of Beef Cows. Meat & Woll New Zealand.

	<p>2. Tadesse Y. 2012. Sheep and Goats in Mixed farming System: Production and Utilization in Shifting and Permanent Farming System in Western Ethiopia. LAP LAMBERT Acad. Publ.</p> <p>3. Tyler H., ME Ensminger. 2005. 4th Ed. Animal Science Iowa State.</p>
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