

Module Handbook

Modul Name	Lecture of Veterinary Biochemistry
Modul Level	1 (Bachelor)
Abbreviation, if applicable	BIK101
Sub-heading, if applicable	
Courses included in the module, if applicable	
Semester/term	1/1
Module coordinator(s)	Dr. Kadek Rachmawati, drh., M.Kes.
Lecturer(s)	1. Dr. Kadek Rachmawati, drh., M.Kes. (PJKM) 2. Dr. E. Bimo Aksono H, drh., M.Kes. 3. Prof. Dr. C.A. Nidom, drh.M.S., 4. Dr. Nove Hidayati, drh., M.Kes.
Language	Bahasa Indonesia and English
Classification within the curriculum	Compulsory/ elective course
Teaching format/class hours per week during the semester	3 class hour lecture (3 x 170 minutes lecture) x 14 weeks
Workload per semester	510 minutes lecture is divided into 150 minutes face to face interaction, 150 minutes assignment, 210 minutes independent study.
Credit points	3 (lecture) (~4.53 ECTS)
Requirements	-
Learning goals/competencies	Students are able to explain the biocatalyst, biochemical processes and metabolism of living things, especially animals, both in certain physiological and pathological conditions so that they can be used as a mindset in taking good and proper treatment
Content	This course discusses about biomolecules, bioenergetics, vitamins, minerals, enzymes, carbohydrate metabolism, fat metabolism, amino acid metabolism, protein metabolism, hormones and molecular biology.
Softskills attribute	Interpersonal relationship, Oral communication, Achievement motivation
Study/exam achievements	Final exam (33.3%), midterm (22.2)%, assigment(16.7%), quizzes (16.7%), soft skill (11.1%)
Forms of media	Computer projector, white board, AULA (Airlangga University e-Learning Application)
Literatures	1. Murray, RK., DK. Granner., PA. Mayesand VW. Rodwell. 2008. Harpers Illustrated Biochemistry. 29 th Edition. 2. Kaneko JJ, JW. Harvey and ML Beaver. 1997. Clinical

	Biochemistry of Domestic Animals. Academic Press. 3. Lehninger, AL., DL. Nelson and MM. Cox. 1993. Principles of Biochemistry.
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