

MODULE HANDBOOK
 Course : Veterinary Physiology I
 Academic Year : 2017/2018

A. Course Identity

Module name	Veterinary Physiology I
Module level	Bachelor
Abbreviation, if applicable	KHU-1041
Sub-Heading, if applicable	-
Courses included in the module, if applicable	-
Semester/ Term	2 / First year
Coordinator	Dr. drh. Claude Mona Airin, M.P.
Lecturer(s)	Dr.drh. Amelia Hana, M.P. Prof. Dr.drh. PudjiAstuti, M.P. Dr. drh. Claude Mona Airin, M.P. Dr. drh. Sarmin, M.P. drh. YudaHeruFibrianto, M.P., Ph.D. drh. Muhammad TauhidNursalim, M.Sc.
Language	Bahasa Indonesia
Classifications within the curriculum	Compulsory course
Teaching Format/ class hours per weeks during the semester	3 hour lecturer/week/semester and 8 hour FGD 4 week/ semester
Workload	3 hour lecturer x 12 weeks (FGD 2 hour x 4 weeks) = 36 hour 3 hour self study x 12 weeks = 36 hour 2 hour x 2 exam = 4 hour 3 hour practice x 8 = 24 hour Total 100 hour/25 = 4 ETCS
Credit points	4 (3/1)
Requirement	1. Osteology, Arthrology, Myology and Splanchnology (KHU-1011) 2. Veterinary Biochemistry I (KHU-1021)
Learning goals/ competencies	CO1: Students are able to identify organ functions. CO2: Students are very able to integrate the functions of each organ so that it can explain the mechanism of action of a body system. CO3: Students are able to work in a laboratory. CO4: Students are very able to collaborate in an interdisciplinary or multidisciplinary manner.
Content	1. Nervous System: discussing the mechanism of action of central and peripheral nerve regulation on muscle work including understanding of the organs that are innervated by nerves. 2. Circulation System: discuss the mechanism of action of the

	<p>heart and blood vessels.</p> <p>3. Respiration System: discuss the main functions of respiration and the mechanism of gas exchange and oxygen transport in the blood and body fluids.</p> <p>4. Thermoregulation System: discussing the thermoregulation system in animal's body. Including poikilotherm and homeotherm animals.</p> <p>5. Endocrinology System: discuss the mechanism of action of the endocrine system in animals including the mechanism of action of hormones and their targets.</p> <p>6. Digestion System: discuss the mechanism of digestion in various mammals including monogastric and ruminants.</p>
Study/ exam achievement	<p>Students are considered to be competent and pass if comply the 75% of lectures attendance and FGD requirements as stated in department and academic rules.</p> <p>Examination score : Mid Sem Exam (42,5%) + Final Sem Exam (42,5%)</p> <p>Total score : Examination score (85%) + FGD (15%)</p> <p>Final score : 100%</p> <p>Final index : (absolute score)</p> <p>NB= if absolute score cannot be applied, the calculation with relative score will be conducted.</p>
Forms of Media	Powerpoint presentation, LCD Projector, Whiteboard, Laboratory
Literature	<ol style="list-style-type: none"> 1. Cunningham, J. 2007. Textbook of Veterinary Physiology. Saunders, Santoluis, Missouri, USA 2. Frandson, SD., Wiike, WI, and Fails, AD. 2005. Anatomy and Physiology of Farm Animals. 7th Edition. Willey 3. Guyton, AC., and John EH. 2006. Textbook of Medical Physiology 11th edition. Elsevir Saunders Phladelphia. Pennsylvania. USa 4. Larry, YRE. 2002. Review of Veterinary Physiology. Teton New Media. Jackson Wyoming USA 5. Tartaglia, L., and Anne W, 2005. Veterinary Physiology and Applied Anatomy atextbook for veterinary nurses and technicians. Butterworth, Heinemann, USA.

B. PLO Mapping to CO

PLO	CO1	CO2	CO3	CO4
PLO 1 : Having insight of veterinary ethic and comprehension towards the essence of profession vow and ethic code also baseline of veterinary profession;	√	√		
PLO 2 :	√	√		

Having insight in the field of national animal health system and veterinary legislation;				
PLO3 : Having skills in practicing lege-artis medical treatment;			√	
PLO 14 : Well-communicate, able to cooperate in team;				√