



Course Module
Department of Animal Science
Faculty of Animal Science
Universitas Brawijaya

Module name	Anatomy and Animal Physiology
Module level	Undergraduate Program
Code	PEF62015
Subtitle	-
Courses	-
Semester (s)	2
Person responsible for the module	
Lecturer	<ol style="list-style-type: none"> 1. Dr. Ir. Ita Wahyu Nursita, M.Sc 2. Dr. Ir. Kuswati, MS, IPM, ASEAN Eng 3. Dr. Ir. Sri Minarti, MP 4. Dr. Ir. Tri Eko Susilorini, MS, IPM, ASEAN Eng 5. Prof. Dr. Ir. Siti Chuzaemi, MS. 6. Dr. Ir. Mashudi, MSc. 7. Dr. Ir. M. Nasich, MS. 8. Dr. Ir. Edhy Sudjarwo, MS. 9. Dr. Ir. Nurul Isnaini, MP. 10. Dr. Achadiyah Rahmawati, S.Pt, M.Si 11. Aulia Puspita, A.Y., SPt., MP., MSc. 12. Wike Andre Septian, S Pt., MSi. 13. Aswah Ridhowi, S.Pt, MP, M.Sc
Language	Indonesian and English
Relation to curriculum	Compulsory/ Elective
Type of teaching, contact hours	Contact hours and class size separately for each teaching method: course, structured assignment, practical, etc.
Workload	Course: 90.67 hours/semester Practical: 85.00 hours/semester
Credit points	4 (2-2) SKS / 6.59 (3.40-3.19) ECTS
Requirements according to the examination regulation	-
Recommended prerequisites	Biology
Module objectives/intended learning	ILO-3: Developing awareness of Animal welfare and halal issue ILO-6: Proficient in biology, physiology, animal nutrition, breeding, farm management, and implementation in Animal Science

outcomes	ILO-10: Actively contributing in the learning process and discussion
	Objectives: This course explains the anatomy and function of organs, and the integumentary, skeletal, muscular, circulatory, digestive, respiration, nervous, urinary, endocrine, and lactation systems and environmental adaptation.
	Knowledge: Students are able to determine and explain parts of animal anatomy and function of animal organs.
	Skills: cognitive- able to explain the physiological systems in the body of animals. Physicomotoric- able to explain the production processes (growth, lactation, movement) of digestion, hormonal process, and reproduction.
	Competences: Students are able to understand the adaptation response to the environment to increase livestock productivity.
Content	<p>Courses:</p> <ol style="list-style-type: none"> 1. Introduction to Anatomy and Physiology, lecture contract, RPKPS 2. Anatomy and the Integumentary System (Skin and Accessory Structures) 3. Anatomy and the Skeletal System (Skeleton) 4. Anatomy and the Muscular System (Muscle) 5. Anatomy and the Circulatory and Immune System (Cardiovascular and Blood) 6. Anatomy and the Digestive System 7. Anatomy and the Respiratory System 8. Anatomy and the Nervous System 9. Anatomy and the Urinary System 10. Anatomy and the Endocrine System 11. Anatomy and the Reproductive System 12. Anatomy and the Lactation System 13. Environmental Adaptation System
Study and examination requirements and forms of examination	<ol style="list-style-type: none"> 1. Midterm exam 2. Final term exam 3. Practical 4. Structured assignment 5. Quiz <p>How to score:</p> <ul style="list-style-type: none"> - Midterm Exam 30% - Final Exam 30% - Practical 20% - Structured Assignments 10% - Quiz 10% <p>A : 80 < Final Score ≤ 100 B+ : 75 < Final Score ≤ 80 B : 69 < Final Score ≤ 75 C+ : 60 < Final Score ≤ 69 C : 55 < Final Score ≤ 60 D : 50 < Final Score ≤ 55 D+ : 44 < Final Score ≤ 50 E : 0 < Final Score ≤ 44</p>

Media employed	Projector and screens, Zoom application, Google Classroom, e-book, WA Group
Reading list	<ol style="list-style-type: none">1. Reece, W.O., H.H. Erickson, J.P. Goff, E.E. Uemura, 2015. Dukes' Physiology of Domestic Animals, 13th Edition.2. Hafez, E.S.E. and B. Hafez, 2013. Reproduction in Farm Animals, 7th Edition.