Module Descriptions

Module Designation	Animal Physiology *Fisiologi Hewan*
Course Code	8420504101
Semester/Term	3rd semester
Person responsible for the module	Dr. Nur Kuswanti, M.Sc.St. Dr. Raharjo, M.Si. Nur Qomariyah, S.Pd., M.Sc. Erlix Rakhmad Purnama, S.Si., M.Si. Firas Khaleyla, S.Si., M.Si. Elma Sakinatus Sajidah, M.Si., Ph.D. Dr. Wirdatun Nafisah, M.Si.
Language	Bahasa Indonesia (Indonesian language)
Relation to curriculum	Compulsory course
Teaching methods	Lecture, lab works
Workload	Contact hours: 3 x50 minutes lectures, 3 x50 minutes laboratory works, 3 x60 minutes structured activity, 3 x60 minutes individual activity, 14 weeks per semester, 180 total hours per semester ~ 6.36 ECTS**
Credit Point	4 CUs
Required and recommended prerequisites for joining the module	Animal Structure and Development, Biochemistry
Module Objectives/intended learning outcomes	1. Able to master the concepts of Animal Physiology related to the processes that occur in the animal body (*Knowledge*) 2. Able to design research in the field of animal physiology as a form of concern for the environment (*Special competence*) 3. Able to communicate the results of studies/research on animal physiology (*General competence*) 4. Able to manage research/study data as a source of evidence/characteristics related to the study of Animal Physiology (*Special competence*)
Content	This course discusses the flow of matter and energy, membrane transport, nerves, senses, hormones, locomotion, transportation,

<table>
<tr><td></td><td>respiration, digestion, thermoregulation, excretion, and osmoregulation in the body of animals. This course is presented through lectures, discussions, practical work, and assignments in the form of papers and/or presentations.</td></tr>
<tr><td>Examination forms</td><td>Written exam</td></tr>
<tr><td>Study and examination requirements and forms of examination</td><td>
Study Requirement
Attendance: students must attend at least 75% of the lectures to be eligible for the final examination.
Study examination
The final grade (NA) is calculated based on the following ratio:
<table>
<tr><td>Assessment Components</td><td>Percentage of contribution</td></tr>
<tr><td>Participation</td><td>20%</td></tr>
<tr><td>Assignment</td><td>30%</td></tr>
<tr><td>Mid-semester test</td><td>20%</td></tr>
<tr><td>Final semester test</td><td>30%</td></tr>
</table>
Grade conversion of 0-100 scale into 0-4 scale is set as below:
<table>
<tr><td>Letter</td><td>Number</td><td>Grade Interval</td></tr>
<tr><td>A</td><td>4,00</td><td>85 ≤ A ≤ 100</td></tr>
<tr><td>A-</td><td>3,75</td><td>80 ≤ A- < 85</td></tr>
<tr><td>B+</td><td>3,50</td><td>75 ≤ B+ < 80</td></tr>
<tr><td>B</td><td>3,00</td><td>70 ≤ B < 75</td></tr>
<tr><td>B-</td><td>2,75</td><td>65 ≤ B- < 70</td></tr>
<tr><td>C+</td><td>2,50</td><td>60 ≤ C+ < 65</td></tr>
<tr><td>C</td><td>2,00</td><td>55 ≤ C < 60</td></tr>
<tr><td>D</td><td>1,00</td><td>40 ≤ D < 55</td></tr>
<tr><td>E</td><td>0,00</td><td>0 ≤ E < 40</td></tr>
</table>
</td></tr>
<tr><td>Reading List</td><td>Hill, R.W., Wyse, G.A., and Andreson, M. 2017. Animal Physiology. Edisi Ketiga. Massachusetts: Sinauer Associate.
Rastogi, S.C. 2007. Essential of Animal Physiology. Edisi Keempat. New Delhi: New Age International Ltd, Pub.</td></tr>
</table>