

## Appendix 4.1

Module Name	Animal Chemistry
<b>Module Level, if applicable</b>	Beginner
<b>Code if Applicable</b>	210354813
<b>Subtitle, if applicable</b>	-
<b>Courses, if applicable</b>	210354813, Animal Chemistry
<b>Semester(s) in which the module is taught</b>	Semester I
<b>Person responsible for the module</b>	Dr. Ir. Asmah Hidayati, MP
<b>Lecturer</b>	Dr. Ir. Asmah Hidayati, MP Dr. drh. Imbang Dwi Rahayu, M. Kes
<b>Language</b>	Indonesian
<b>Relation to curriculum</b>	Compulsory Courses for undergraduate program in Department of Animal Science Faculty of Agriculture and Animal Science
<b>Type of teaching, contact hours</b>	Type of teaching: Online Class, Practical and Discussion Contact hours : 3 hours x 14 weeks
<b>Workload</b>	Class : 2 hours x 14 weeks = 28 hours Practical class : 1 hours x 14 weeks = 14 hours Examination 2 hours x 2 time = 4 hours Total: 46 hours
<b>Credit points</b>	SKS 3 SCH x (1.4) = 4.2 ECTS
<b>Requirements according to the examination regulations</b>	1. Registered in this course 2. Minimum 80% attendance in this course
<b>Recommended prerequisites</b>	No Recommended prerequisites
<b>Module Objectives (Intended learning outcomes)</b>	Only successful completion of the Master Thesis, Students should be able to: <ol style="list-style-type: none"> <li>1. Students are able to explain the basic concepts of anorganic and organic chemistry</li> <li>2. Students are able to identify, classify, and characterize natural compounds used in industry and daily life</li> <li>3. Students are able to elaborate several compounds needed for daily human life, livestock or animals and plants and specifying the impacts</li> </ol>
<b>Module Content</b>	This course discusses the basic concepts and applications of anorganic and organic chemical compounds including classifications (types) and characteristics of compounds, natural sources of compounds and its functions for life or nature and living beings (plants, livestock or animals, and humans) and industrial use.

<b>Study and examination requirements and forms of examination</b>	<p><b>Cognitive:</b> Midterm exam, Final exam, Quizzes, Assignments</p> <p><b>Psychomotor:</b> Practice</p> <p><b>Affective:</b> Assessed from the element /variables achievement, namely (a) Contributions (attendance, active, role, initiative, and language), (b) Being on time, (c) Effort.</p>
<b>Media employed</b>	Classical teaching tools with white board and power point presentation
<b>Recommended Literature</b>	<p>For Class</p> <p>A. Compulsory</p> <ol style="list-style-type: none"> <li>1. Madura et al. 2009. Kimia untuk Perguruan Tinggi.</li> <li>2. Fresenden and Fresenden. 2002. Organic Chemistry.</li> </ol> <p>B. Option</p> <ol style="list-style-type: none"> <li>1. Anonimus. 2010. Kimia Perguruan Tinggi.</li> </ol> <p>For Practical Class</p> <p>A. Compulsory</p> <ol style="list-style-type: none"> <li>1. Madura et al. 2009. Kimia untuk Perguruan Tinggi.</li> <li>2. Fresenden and Fresenden. 2002. Organic Chemistry.</li> </ol> <p>B. Option</p> <ol style="list-style-type: none"> <li>1. Anonimus. 2010. Kimia Perguruan Tinggi.</li> </ol>
<b>Date of Last Amendment</b>	25 <sup>th</sup> August 2022