220220265 General Biology

Module Name	**General Biology**
Module Level, if applicable	Basic
Code if Applicable	220220265
Subtitle, if applicable	-
Courses, if applicable	220220265 General Biology
Semester(s) in which the module is taught	1st
Person responsible for the module	Afifa Husna, STP., MTP., MSc
Lecturer	Erfan Dani Septia, SP., MP.
Language	Indonesian
Relation to curriculum	Compulsory Course for undergraduate program in the Food Technology Department, Faculty of Agriculture and Animal Science
Type of teaching	Lecture, Tutorial, Practicum
Workload	• Lecture: 2 SKS X 50 minutes X 16 weeks • Practicum: 1 SKS x 170 minutes x 16 weeks • Project: 2 SKS X 60 minutes X 16 weeks • Independent learning: 2 SKS X 60 minutes X 16 weeks
Credit points	3 SKS x 1.5 = 4.5 ECTS
Requirements according to the examinationregulations	1. Registered in this course 2. Minimum 80% attendance in this course
Recommended prerequisites	-
Module Objectives (Intended learning outcomes)	On completion of this course, students should be able to: • Explain and mention the case that relates to biology, ecology and behaviour of organisms, • Explain and identify the structure and function of organisms, as well as the reproductive systems of plants and animals • Give an example and explanation about the genetics and formations of the new generation • Explain and mention the case that relates to biological principles with applications in food technology
Module Content	The General Biology course provides knowledge and understanding of matters

	related to biology, such as basic concepts of biology, cells and the organization of the materials that make up life, the basics of genetics and the formation of new generations, mechanisms of evolution, and the diversity of organisms, structure and function of plant organs. and animals, as well as the behavior of organisms and relationships with their environment.
Study and examination requirements and forms of examination	**Cognitive:** Midterm exam, Final exam, Quizzes, Assignments **Affective:** Assessed from the element/variables achievement, namely (a) Contributions (attendance, active, role, initiative, and language), (b) Being on time, (c) Effort.
Media employed	Discussion and practice questions with white board and power point presentation
Recommended Literature	For Class **A. Compulsory** 1. Campbell, N. A., & Reece, J. B. (2005). *Biology*. Pearson Education India. 2. Weaver, R. (2011). *EBOOK: Molecular Biology*. McGraw Hill. 3. Boucher, D. H. (Ed.). (1985). *The biology of mutualism: ecology and evolution*. New York: Oxford University Press. **B. Option** 1. Videos from Youtube related to the fermentation process 2. National and international journals related to fermentation
Date of Last Amendment	22nd April 2022