



UNIVERSITAS NEGERI PADANG
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
MATHEMATICS DEPARTMENT, MATHEMATICS EDUCATION STUDY PROGRAM
Main Campus Universitas Negeri Padang.
Jalan Prof. Dr. Hamka Air Tawar Padang, Sumatera Barat
Phone: +62 751 7053902, Fax: +62 751 7055628
Email: matematika@fmipa.unp.ac.id

Bachelor of Mathematics Education

MODULE HANDBOOK

Module name:	General Biology
Module level, if applicable:	Bachelor
Code:	FMA1.60.2102
Sub-heading, if applicable:	-
Classes, if applicable:	General Biology
Semester:	2 nd (second)
Module coordinator:	Drs. Mades Fifendy, M. Biomed.
Lecturer(s):	Drs. Mades Fifendy, M. Biomed., and Team
Language:	Bahasa Indonesia
Classification within the curriculum:	Faculty Compulsory Course
Teaching format / class hours per week during the semester:	Teaching format: <ul style="list-style-type: none">• Lectures (face to face activities): Problem Based Learning, group discussion, expository• structured assignment• Independent activities• Practice 4 x 170 minutes = 680 minutes = 11.33 hours.
Workload:	16 weeks per semester include midterm exam and final exam consisting of: <ul style="list-style-type: none">• 2.50 hours lectures (3 x 50 minutes) per week,• 3 hours structured assignments (3x 60 minutes) per week• 3 hours independent activities (3 x 60 minutes) per week• 2.83 hours Practice (1 x 170 minute) per week 16 x 170 x 4 = 10880 minute = 181.33 hours = 6.04 ECTS
Credit points:	4 SKS (6.04 ECTS)

Prerequisite's course(s):	-
Course outcomes:	<p>After taking this course the students have ability to:</p> <p>CO 1: Describes knowledge about living things, cells, metabolism, biodiversity, plant and body organization animals, organ systems, interactions between organisms, inheritance</p> <p>CO 2: Carry out the self-evaluation process of the workgroup under their responsibility, and able to manage learning independently.</p>
Content:	<p>This course discusses:</p> <ol style="list-style-type: none"> 1. Knowledge of living things and the scientific method 2. Cells as the basis of life 3. Metabolism (anabolism and catabolism) 4. Biodiversity 5. Organizational structure of the plant body (Low Level Plants) 6. Organizational structure of the plant body (Higher Plants) 7. the organizational structure of the animal body (Low Level Animals) 8. Animal body organizational structure (Higher Animal) 9. Animal body organizational structure (Low Level Animals) 10. Organ systems in living things (Structure, function, and processes in human organ systems) 11. Organ systems in living things (System of excretion and motion) 12. Organ systems in living things (reproductive and coordination systems) 13. Interactions between organisms and the environment (Ecology) 14. Heritability and evolution (Genetics) 15. Heritability and evolution (Evolution) 16. Basic principles and applications of biotechnology (Biotechnology)
Study/exam achievements:	<p>Total score= (25% x Midterm Exam Score) + (25% x Final Exam Score) + (15% x Assignment: project, paper resume, etc.) + (25% x practice) + (10% x Affective Score (Responsibility, class attendance))</p> <p>The initial cut - off points for grades A, A-, B+, B, B-, C+, C, C-, and D should not be less than 85, 80, 75, 70, 65, 60, 55, 50, and 40 out of 100 respectively.</p> <p>Explanation:</p> <ol style="list-style-type: none"> 1. Midterm Exam <ul style="list-style-type: none"> ✓ Midterm Exam will be conducted in the 9th meeting . ✓ Midterm Exam is in the form of a written test (essay) and will be conducted in the classroom.

