

Module IV: Life Science

1.1. Module Objectives

On completion of this module, the students will be able to:

- Describe basic concepts of biology comprehensively
- Relate the key integrating concepts of biology for the subsequent courses

1.2. Module Data

Person in charge	Dr. Agus Dana Permana
Total Credits	4
Course	BI-1101 Fundamental Biology
Modul Examination	Written Test

1.2.1. Sub-module I: Fundamental Biology

Course Name:	Fundamental Biology
Course Level:	Undergraduate
Abbreviation, if applicable:	BI1101
Sub-heading, if applicable:	
Course included in the module, if applicable:	
Semester/term:	1
Course coordinator(s):	Dr. Tjandra Anggraeni Dr. Agus Dana Permana
Lecturer(s):	to be determined in each semester
Language:	Bahasa Indonesia
Classification within the curriculum:	General Studies / Major Subject / Elective Studies
Teaching format / class hours per week during the semester:	4 hours lectures
Workload:	4 hours lectures, 4 hours structured activities, 4 hours individual study, 14 weeks per semester, and total 192 hours a semester
Credit Points:	4
Requirements:	-
Learning goals/competencies:	After completion of this module students are expected to be able to: Knowledge: Describe basic concepts of biology comprehensively Competences: Relate the key integrating concepts of biology for the subsequent courses
Content:	This module is designed to introduce basic integrating concepts of biology, including:

	<ul style="list-style-type: none"> • Cell and Molecular Biology • Genetics • Evolution • Biodiversity • Form and Function • Ecology <p>This module is for 1st year students, and thus emphasizes the ability of students to acquire knowledge rather than the mastery of skills.</p>
Study/exam achievements:	Students are considered to be competent and pass if at least get 50% of maximum mark of the exams, homework, and case based learning.
Forms of Media:	Interactive Teaching
Literature:	<ol style="list-style-type: none"> 1. Campbell et al. 2011. Biology, 9th Edition. Pearson. 2. Raven and Johnson. 2002. Biology, 6th Edition. McGraw-Hill, Boston, MA.
Notes	