

## Module Handbook

Module designation	<i>General Biology (course code MPB 1100)</i>
Semester(s) in which the module is taught	1
Person responsible for the module	<i>Mukarlina, S.Si, M.Si, Dr. Kustiati, S.Si, M.Si, Masnur Turnip, S.Si, M.Si &amp; Ari Hapi Yanti, S.Si, M.Sc</i>
Language	<i>Indonesian</i>
Relation to curriculum	<b>Compulsory subject</b>
Teaching methods	<i>lecture and lab works</i>
Workload (incl. contact hours, self-study hours)	<p><i>(Estimated) Total workload: 170 minutes x 4 units x 16 = 10,880 minutes (181,3 hours)</i></p> <p><i>Contact hours (please specify whether lecture, exercise, laboratory session, etc.):</i></p> <p><i>lecture: every Wednesday, 09:30 - 12:00 and Friday, 07:30-10:00</i></p> <p><i>laboratory session: Thursday, 12:30 - 15:30 and Friday, 08:00-11:00</i></p> <p><i>Practical work in laboratory: 170 minutes x 1 unit x 5 session = 850 minutes (14.2 hours)</i></p>
Credit points	<i>4 units</i>
Required and recommended prerequisites for joining the module	-

Module objectives/intended learning outcomes	<p><b>Knowledge (ILO-2) :</b> <i>Mastering and being able to apply biological science and other scientific fields that support the development of biological science .</i></p> <p><b>General Skill (ILO- 3 ):</b> <i>Able to work in teams and communicate actively orally and in writing in the field of biological sciences.</i></p> <p><b>Specific Skill (ILO-5):</b> <i>Able to plan, solve problems and provide recommendations for sustainable management of tropical wetland resources</i></p>
Content	<p><i>The General Biology course discusses the basic concepts of life, cells, plant and animal structures; plant and animal reproduction, growth and plant coordination systems; cellular respiration and photosynthesis; respiratory system, circulatory system, animal nervous system and animal digestive system, basic concepts of evolution, animal and plant systematics, cell cycle, genetics and ecology. The General Biology course discusses the basic concepts of life, cells, plant and animal structures; plant and animal reproduction, growth and plant coordination systems; cellular respiration and photosynthesis; respiratory system, circulatory system, animal nervous system and animal digestive system, basic concepts of evolution, animal and plant systematics, cell cycle, genetics and ecology</i></p>
Examination forms	<i>Written test</i>
Study and examination requirements	<i>Re-registration and 75% attendance.</i>

Reading list	<ol style="list-style-type: none"><li>1) <i>Campbell, NA, Reece, JB, Urry, LA, Cain, ML, Wasserman, SA, Biologi, volumes 1, 2, dan 3, 12 th edition, translated Wulandari, TD, 2020, Erlangga Publisher, Jakarta.</i></li><li>2) <i>Soggayer, JWH, Laubengayer, RA, &amp; Delany, LE, 2000, General Biology, Holt Rinehart and Winston, New York.</i></li><li>3) <i>Storer, TI &amp; Usinger, RL, 1995, General Biology, Mc.Graw Hill Pub. Company, Ltd</i></li><li>4) <i>Simpson, GG &amp; Bech, WS, 1995, An introduction to Biology, Brace and Word, St. Louis</i></li><li>5) <i>Ruse, M, 1982, Darwinisme Defended, The Benjamin Cummings Pub. Company, California.</i></li></ol>
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