



# THE MODULE HANDBOOK

## FACULTY OF BIOLOGY

### Mycology

<b>Module code</b>	BIO 21003
<b>Module level</b>	1 <sup>st</sup> year of Undergraduate Program in Biology
<b>Abbreviation, if applicable</b>	-
<b>Sub-heading, if applicable</b>	-
<b>Courses included in the module, if applicable</b>	-
<b>Semester/term</b>	Even
<b>Module coordinator(s)</b>	Rina Sri Kasiamdari, S.Si., Ph.D.
<b>Lecture(s)</b>	Rina Sri Kasiamdari, S.Si., Ph.D.
<b>Language</b>	Indonesia
<b>Classification within the Curriculum</b>	Elective course
<b>Teaching format/class hours per week during the semester</b>	This course is organized into one class and planned to have 14 teaching weeks and 2 weeks of examination.
<b>Workload</b>	Estimated working hour: 10,5 hours/week.
<b>Credit points</b>	2-1 credits
<b>Requirements</b>	General Biology (BIO 10001)
<b>Learning goals/competencies</b>	<ol style="list-style-type: none"><li>1. Students are able to understand the basic concepts and theories of Mycology.</li><li>2. Students have basic knowledge about fungi either of textbooks and published research results.</li><li>3. Students are able to analyze the results and determine the validity and truth in groups or independently.</li><li>4. Students are able to access and perform management information from a variety of media (text books, scientific journals, seminars, internet).</li><li>5. Students are able to communicate effectively from discussions, group work and presentations.</li><li>6. Students are able to think critically, creatively, innovative, curious, able to adapt to the environment and can pay attention to and respect the views and opinions of others.</li></ol>
<b>Content</b>	This course is an elective course which provides knowledge about fungal characteristics dan the benefits of fungi to human. Provides knowledge about classification,



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	<p>biodiversity of fungi and the relationship between Mycology and other branch of Biology. Equipping students with knowledge of the specific character of the fungal species for the benefit of the introduction of the fungus field level . Provide knowledge to students about the development of Mycology and importance in various fields, and to train students in the introduction of the fungus through activities of collection , isolation, identification and detection of fungi.</p>
<b>Study/exam achievements</b>	<p><b>1. Theory</b></p> <ol style="list-style-type: none"><li>Midterm: 15%</li><li>Final examination: 30%</li><li>Projects (group assignment &amp; presentation): 30%</li><li>Individual assignments: 15%</li><li>Quiz: 10%</li></ol> <p><b>2. Laboratory work</b></p> <ol style="list-style-type: none"><li>Pretest: 20%</li><li>Weekly reports: 20%</li><li>Laboratory work: 40%</li><li>Final test: 20%</li></ol>
<b>Forms of media</b>	White board, specimen, computer, LCD
<b>Literature</b>	<p><b>Text books:</b></p> <ol style="list-style-type: none"><li>Alexopoulos C.J. and Mims, C.W. 1979. <i>Introductory Mycology</i>, John Wiley and Sons. New York.</li><li>Bridge P.D., Arora D.K. , Reddy C.A., and Elander, R.P. 1998. <i>Applications of PCR in Mycology</i>. CAB International, UK.</li><li>Carlile M.J., and Watkinson, S.C. 1994. <i>The Fungi</i>. Academic Press, London.</li><li>Kendrick B, 2000. <i>The Fifth Kingdom</i>. Mycologue Publications, Canada.</li><li>Talbot, P.H.B. 1971. <i>Principles of Fungal Taxonomy</i>. St Martin's Press. New York.</li></ol> <p><b>Journals:</b></p> <ol style="list-style-type: none"><li>Mycological Research</li><li>Phytopathology</li><li>Plant Disease</li></ol>