THE MODULE HANDBOOK
FACULTY OF BIOLOGY

Mycology

Module code	BID 21003IUP
Module level	2nd year of Undergraduate Program in Biology
Abbreviation, if applicable	-
Sub-heading, if applicable	-
Courses included in the module, if applicable	-
Semester/term	Even
Module coordinator(s)	Rina Sri Kasiamdari, S.Si., Ph.D.
Lecture(s)	Rina Sri Kasiamdari, S.Si., Ph.D.
Language	English
Classification within the Curriculum	Elective course
Teaching format/class hours per week during the semester	This course is organized into one class and planned to have 14 teaching weeks and 2 weeks of examination.
Workload	Estimated working hour: 10,5 hours/week.
Credit points	2-1 credits
Requirements	Plant Systematics (BIB 21001IUP)
Learning goals/ competencies	1. Students are able to understand the basic concepts and theories of Mycology. 2. Students have basic knowledge about fungi either of textbooks and published research results. 3. Students are able to analyze the results and determine the validity and truth in groups or independently. 4. Students are able to access and perform management information from a variety of media (text books, scientific journals, seminars, internet). 5. Students are able to communicate effectively from discussions, group work and presentations. 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.
Content	This course is an elective course which provides knowledge about fungal characteristics dan the benefits of fungi to human. Provides knowledge about classification, 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.
Study/exam achievements	**1. Theory** a. Midterm: 15% b. Final examination: 30% c. Projects (group assignment & presentation): 30% d. Individual assignments: 15% e. Quiz: 10% **2. Laboratory work** a. Pretest: 20% b. Weekly reports: 20% c. Laboratory work: 40% d. Final test: 20%
Forms of media	White board, specimen, computer, LCD
Literature	**Text books:** 1. Alexopaulus C.J. and Mims, C.W. 1979. *Introductory Mycology*, John Wiley and Sons. New York. 2. Bridge P.D., Arora D.K. , Reddy C.A., and Elander, R.P. 1998. *Applications of PCR in Mycology.* CAB International, UK. 3. Carlile M.J., and Watkinson, S.C. 1994. *The Fungi*. Academic Press, London. 4. Kendrick B, 2000. *The Fifth Kingdom*. Mycologue Publications, Canada. 5. Talbot, P.H.B. 1971. *Principles of Fungal Taxonomy*. St Martin's Press. New York. **Journals:** 1. Mycological Research 2. Phytopathology 3. Plant Disease