



THE MODULE HANDBOOK

Magister Biology Study Program

FACULTY OF BIOLOGY

DIVERSITY AND TAXONOMY OF FUNGI

Course code	BIMB202234
Course level	Magister
Semester/ term	Odd and Even
Course coordinator(s)	Rina Sri Kasiamdari, S.Si., Ph.D.
Lecture(s)	1. Rina Sri Kasiamdari, S.Si., Ph.D 2. Dr. Miftahul Ilmi, M.Si.
Language	English
Classification within the Curriculum	Elective
Teaching format/ class hours per week during the semester	This course is organised into 1 class and planned to have 14 teaching weeks and 2 weeks of examination.
Workload	Estimated working hour: 2 credits of theory and 1 credit of laboratory work.
Credits	2-1 credits
Requirements	None
Program Learning Outcome	KN1. The graduates are demonstrating knowledge and comprehend biological theories, includes all aspects of biological studies at various levels in the organization of life (Knowledge) GS1. The graduates are able to develop logical, critical, systematic, and creative thinking through scientific concept and research (General Skills); SS1. The graduates are able to conduct research in the field of biology independently or in groups, and able to solve various biological-related problems (Specific Skills)
Course Learning Outcome	CLO1 Students are able to understand the scope of mycology, especially in diversity and the taxonomy of fungi CLO2 Students are able to recognize diversity of fungi CLO3 Students are able to be able to distinguish between ways of life and their interactions CLO4 Students are able to understand the benefits and importance of fungi CLO5 Students have the skills to do research on fungi
Course Description	This course studies the morphology and characteristics of fungi; diversity of fungi from the Zygomycota, Ascomycota, Basidiomycota, Deuteromycota divisions; Identification, Classification, and Nomenclature of Fungi; Physiology (Metabolism and Growth); Reproduction in fungi (Sporulation and spores); Ecology (Fungi as sapotrophs, symbionts and pathogens); uses and disadvantages of fungi for humans in the medical, industrial and agricultural fields



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Assesments	Assessment component	Percentage	CLO1	CLO2	CLO3	CLO4	CLO5
	Midterm exam	25	√	√			
	Final Exam	25			√	√	
	Assignment	10		√			
	Presentation/Journal Review	10			√		
	Practical Work	30					√
Study Media	Book, Audio and Audio Visual, Video						
Literature	<ol style="list-style-type: none">1. Kurtzman, C. P., Fell, J. W., & Boekhout, T. (2010). The Yeasts (Fifth Edition): Vol. 1-3. London: Elsevier.2. Watkinson, S. C., Boddy, L., & Money, N. P. (2016). The fungi (Third Edition). Academic Press.3. Foster, M. S., Bills, G. F., & Mueller, G. M. (2011). Biodiversity of Fungi: Inventory and Monitoring Methods. Burlington: Elsevier Science.4. Deacon J.W. (1994). Modern Mycology, Edinburg, UK						