



THE MODULE HANDBOOK

Magister Biology Study Program

FACULTY OF BIOLOGY

BIODIVERSITY

Course code	BIMB202104
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. Prof. Purnomo, M.S. 3. Prof. Suwarno Hadisusanto 4. Dr. Endah Retnaningrum, M.Eng.
Language	English
Classification within the Curriculum	Compulsory
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
Credits	2-0 credits
Requirements	None
Program Learning Outcome	<p>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)</p> <p>GS3. The graduates are able to formulate and communicate scientific idea effectively (written and spoken) with at least one international language based on scientific rules, procedures, and ethics in the form of academic writing (General Skills);</p> <p>SS2. The graduates are able to solve problems related to biological resources through an inter- and / or multidisciplinary approaches beneficial to society and scientific community (Specific Skills).</p>
Course Learning Outcome	<p>CLO1: Understand the basic concepts of conservation biology through understanding the diversity of organisms that exist on Earth and the distribution of organisms on Earth</p> <p>CLO2: Understand the concepts in biodiversity: biodiversity value, biodiversity measurement, factors affecting the distribution of biodiversity, spatial and temporal patterns of biodiversity, and issues in biodiversity management at all levels</p>



THE MODULE HANDBOOK

Magister Biology Study Program

FACULTY OF BIOLOGY

	<p>CLO3: Evaluating the impact of biodiversity loss on ecosystems and various aspects that affect the survival of organisms in the world, as well as collecting and synthesizing up-to-date information on global biodiversity problems, and offering solutions to these problems</p> <p>CLO4: Understand biodiversity conservation in biodiversity management at all levels and their applications.</p>																														
<p>Course Description</p>	<p>This course studies the Concept of Biodiversity and the importance of Biodiversity, the forming factors of biodiversity, the concept and value of biodiversity, the processes and patterns of biodiversity, the measurement of biodiversity, conservation strategies and the influence of biodiversity in ecosystems, threats of biodiversity, conservation of biodiversity (CBD, conservation objectives and priorities).</p>																														
<p>Assesments</p>	<table border="1"> <thead> <tr> <th>Assessment component</th> <th>Percentage</th> <th>CLO1</th> <th>CLO2</th> <th>CLO3</th> <th>CLO4</th> </tr> </thead> <tbody> <tr> <td>Midterm exam</td> <td>40</td> <td>√</td> <td>√</td> <td></td> <td></td> </tr> <tr> <td>Final Exam</td> <td>40</td> <td></td> <td></td> <td>√</td> <td>√</td> </tr> <tr> <td>Assignment</td> <td>10</td> <td></td> <td>√</td> <td></td> <td></td> </tr> <tr> <td>Presentation</td> <td>10</td> <td></td> <td></td> <td>√</td> <td>√</td> </tr> </tbody> </table>	Assessment component	Percentage	CLO1	CLO2	CLO3	CLO4	Midterm exam	40	√	√			Final Exam	40			√	√	Assignment	10		√			Presentation	10			√	√
Assessment component	Percentage	CLO1	CLO2	CLO3	CLO4																										
Midterm exam	40	√	√																												
Final Exam	40			√	√																										
Assignment	10		√																												
Presentation	10			√	√																										
<p>Study Media</p>	<p>Book, Audio dan Audio Visual, Video</p>																														
<p>Literature</p>	<ol style="list-style-type: none"> 1. Brook T.M. 2006. Global Biodiversity Conservation Priorities 2. Harris et al., 2005. Refining Biodiversity Conservation Priorities 3. Agarwal, 2015. Biodiversity: Concept, Threats and Conservation 4. Possingham and Wilson, 2005. Turning up the heat on hotspots 5. Cooper, J., Lipper, L. M., Zilberman, D. 2005. Agricultural Biodiversity and Biotechnology In Economic Development. Springer Science. Amerika 6. Burgman, M. 2005. Risks and Decisions for Conservation and Environmental Management. Cambridge University Press. UK. 7. Levin, 2013. Encyclopedia of Biodiversity. Elsevier, UK 																														