



THE MODULE HANDBOOK

Magister Biology Study Program

FACULTY OF BIOLOGY

BIOGEOGRAPHY

Course code	BIMB202118
Course level	Magister
Semester/ term	Odd and Even
Course coordinator(s)	Rina Sri Kasiamdari, S.Si., Ph.D.
Lecture(s)	Rina Sri Kasiamdari, S.Si., Ph.D. Dr. Ratna Susandarini, M.Sc. Siti Nurleily Marlina, M.Sc., Ph.D.
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	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); 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).
Course Learning Outcome	CLO1: Gain knowledge of the basic characteristics and processes in biophysical systems CLO2: Gain knowledge of the interactions between the biophysical and human landscapes and the environment. CLO3: Basic characteristics and processes in the biophysical system CLO4: Gain knowledge of geographic and environmental changes at various spatial and temporal scales. the interaction between the biophysical landscape and humans and the environment. Basic characteristics and processes in the biophysical system. CLO5. Able to identify, analyze, and interpret spatial patterns and relationships in systems in nature.
Course Description	This course discusses the History of Biogeography, Ecological Biogeography includes discussion of the characteristics of species and ecological niches, dispersal and variance, island biogeography



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	and its extension in fragmented landscapes. Historical biogeography includes discussion of the movement of continental plates, changes in geographical templates, speciation, species distribution patterns and endemism, and species extinctions. Island biogeographic equilibrium theory. Center for originality / Center of Origin / Center of Biodiversity. Biogeography linkage with conservation, agitation patterns and areas of agitation.					
Assesments	Assessment component	Percentage	CLO1	CLO2	CLO3	CLO4
	Midterm exam	40	√	√		
	Final Exam	40			√	√
	Assignment	10		√		
	Presentation/Article Review	10			√	√
Study Media	Book, Audio and Audio Visual, Video					
Literature	<ol style="list-style-type: none"> 1. Sergeev, M.G. 2010. Concepts of Classic and Modern Biogeography: Contribution of Russian Entomologists 2. Santos and Amorim, 2007. Why biogeographical hypotheses need a well supported phylogenetic framework: a conceptual evaluation 3. Crisci et al., 2005. Bridging ecological and historical approach in Biogeography. 4. Hugett, R.J. 2004. Fundamentals in Biogeography 5. Lomolino, MV, BR Riddle, RJ Whittaker, JH Brown. 2010. Biogeography - 4th edition. Sinauer Associates, Inc. 6. Cox B.C. et al., 2010. Biogeography: An Ecological and Evolutionary Approach. John and Willey Sons. Inc. India 7. Levin, 2013. Encyclopedia of Biodiversity. Elsevier, UK 					