



UNIVERSITAS NEGERI PADANG

Faculty of Social Sciences Department of Geography

Jalan Prof Dr. Hamka Kampus UNP Air Tawar Padang 25171

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DESCRIPTION	
● Module Name	Biogeography
● Module Level	Bachelor
● Code	GEO1.61.2303
● Subheading	--
● Classes	2017
● Semester	2 th
● Module Coordinator	Ratna Wilis, S.Pd, MP
● Lecturer	Team: Dr. Iswandi, U M.Si
● Language	Bahasa Indonesia
● Classification within the curriculum	Compulsory course
● Teaching format / class hours per week during the semester	100 minutes lectures, 120 minutes structured activities and 120 minutes self-study per week
● Workload	Total workload is 91 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes self-study per week for 16 weeks
● Credit points (SKS)/ECTS	2 SKS (3,02 ECTS)
● Prerequisites course(s)	-
● Course outcome	After taking this course the students have ability to: CO1 students are able to describe the concept of Biogeography, the occurrence of nature, taxonomy of flora and fauna and its classification. CO2 students were able to analyze the analysis of adaptation of living things and evolution, and iklim as a determinant of distribution. CO3 students were able to compare limiting factors, classification of organisms and biota of freshwater, marine, estuaria and seagrass. CO4 students are able to overcome various kinds of biogeographic damage/pollution with



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	biogeographic conservation and biodiversity.																											
<ul style="list-style-type: none"> Content 	<p>This course learns about the concept of Biogeography, the occurrence of nature, taxonomy of flora and fauna and its classification, adaptation of living things and evolution, and climate as the determinant of distribution. In this course students are also equipped with the ability to compare limiting factors, classification of freshwater organisms and biota, sea, estuaria and seagrass, as well as tackling various biogeographic damage/pollution with biogeographic and biodiversity conservation.</p>																											
<ul style="list-style-type: none"> Study / exam achievements 	<table border="1"> <thead> <tr> <th>No</th> <th>CO</th> <th>Assesment Object</th> <th>Assessment Technique</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td rowspan="5">1</td> <td rowspan="5">CO1-CO4</td> <td>a. Individual Assignment</td> <td rowspan="5">Written Test</td> <td>10%</td> </tr> <tr> <td>b. Group Assignment</td> <td>10%</td> </tr> <tr> <td>c. Quiz</td> <td>5%</td> </tr> <tr> <td>d. Mid-Term Examination</td> <td>30%</td> </tr> <tr> <td>e. Final Examination</td> <td>40%</td> </tr> <tr> <td>2</td> <td></td> <td>Activities</td> <td>observation</td> <td>5 %</td> </tr> </tbody> </table>					No	CO	Assesment Object	Assessment Technique	Weight	1	CO1-CO4	a. Individual Assignment	Written Test	10%	b. Group Assignment	10%	c. Quiz	5%	d. Mid-Term Examination	30%	e. Final Examination	40%	2		Activities	observation	5 %
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		e. Final Examination		40%																								
2		Activities	observation	5 %																								
<ul style="list-style-type: none"> Forms of media 	Power Point, Video, Gambar, Board, LCD Projector, Laptop/Computer																											
<ul style="list-style-type: none"> Literature 	<ol style="list-style-type: none"> Dalim, Yewati. 1999. Phytogeography (Geography of Vegetation). Padang: UNP Ediyono, Setijati H., et al (2003). Environmental Principles in Sustainable Development. Jakarta : CV. Idayus. 																											



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12. Liu, Tang, et al. "Integrated biogeography of planktonic and sedimentary bacterial communities in the Yangtze River." *Microbiome* 6.1 (2018): 1-14.
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	<p>14. Qin, W., Zheng, Y., Zhao, F., Wang, Y., Urakawa, H., Martens-Habbena, W., ... & Ingalls, A. E. (2020). Alternative strategies of nutrient acquisition and energy conservation map to the biogeography of marine ammonia-oxidizing archaea. <i>The ISME journal</i>, 14(10), 2595-2609.</p> <p>15. Álvarez-Noriega, M., Burgess, S. C., Byers, J. E., Pringle, J. M., Wares, J. P., & Marshall, D. J. (2020). Global biogeography of marine dispersal potential. <i>Nature Ecology & Evolution</i>, 4(9), 1196-1203.</p>
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PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
CO1						V			
CO2						V			
CO3						V			
CO4						V			