



Universitas Negeri Surabaya
Faculty of Social Sciences and Law
Geography Education Undergraduate Study Program

Document
Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight	SEMESTER	Compilation Date
Biogeography	8720202016	Compulsory Curriculum Subjects	T=2 P=0 ECTS=3.18	3	July 17, 2024
AUTHORIZATION	SP Developer		Course Cluster Coordinator	Study Program Coordinator	
	Dr. Fahmi Fahrudin Fadirubun, M.Pd. / Putu Wirabumi, S.Si., M.Sc.		Drs. Bambang Hariyanto, M.Pd.	Dr. Nugroho Hari Purnomo, S.P., M.Si.	

Learning model	Case Studies
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Program Learning Outcomes (PLO)	PLO study program that is charged to the course															
	PLO-5	Able to make appropriate decisions to solve educational problems and transformative geography learning by utilizing various learning resources based on science and technology and the arts														
	PLO-7	Able to make appropriate decisions to resolve regional problems in a spatial context based on an integrated geographic approach														
	Program Objectives (PO)															
	PO - 1	Able to demonstrate independent and collaborative performance that produces quality and measurable biogeographic study results														
	PO - 2	Demonstrate a responsible attitude towards work in the field of biogeography independently														
	PO - 3	Formulate, process, analyze data, and present biogeographic information both on physical aspects and in relation to human aspects using geospatial technology for geographic learning and research														
	PO - 4	Analyzing the characteristics of regions and regionalization (regionalization) in the topic of biogeography in the context of resources and disasters based on Geography principles and approaches to support sustainable development														
	PLO-PO Matrix															
		<table border="1" style="margin: auto;"> <tr> <td>P.O</td> <td>PLO-5</td> <td>PLO-7</td> </tr> <tr> <td>PO-1</td> <td></td> <td></td> </tr> <tr> <td>PO-2</td> <td></td> <td></td> </tr> <tr> <td>PO-3</td> <td></td> <td></td> </tr> <tr> <td>PO-4</td> <td></td> <td></td> </tr> </table>	P.O	PLO-5	PLO-7	PO-1			PO-2			PO-3			PO-4	
P.O	PLO-5	PLO-7														
PO-1																
PO-2																
PO-3																
PO-4																

PO Matrix at the end of each learning stage (Sub-PO)

P.O	Week															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PO-1																
PO-2																
PO-3																
PO-4																

Short Course Description	Conduct studies and provide an understanding of the role of climate, soil and organisms on the distribution of flora. Basic concepts, scope and study of biogeography. Including describing vegetation types, distribution of flora and fauna in the world and Indonesia. Learning is carried out by applying a constructivist approach. Learning activities are carried out in class, and for activities outside of class, it ends with each student making a report in group discussion and reflection activities.
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References	<p>Main :</p> <ol style="list-style-type: none"> 1. Hugget, Richard John. 2004. Fundamentals of Biogeography, Second Ed. New York : Routledge & Francis Group, 2. Kuspriyanto dan Sulistinah. 2017. Biogeografi. Surabaya : Unipress IKIP Surabaya 3. Suharini, Erni, dan Palangan, Abraham. 2014. Biogeografi . Yogyakarta : Penerbit Ombak.
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	Supporters:						
Supporting lecturer	Drs. Bambang Hariyanto, M.Pd. Dr. Fahmi Fahrudin Fadirubun, M.Pd Putu Wirabumi, S.Si., M.Sc.						
Week-	Final abilities of each learning stage (Sub-PO)	Evaluation		Help Learning, Learning methods, Student Assignments, [Estimated time]		Learning materials [References]	Assessment Weight (%)
		Indicator	Criteria & Form	Offline (offline)	Online (online)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Analyze the concept and scope of biogeography	Accuracy of analysis regarding the concept and scope of biogeography	Criteria: Exactly >65 Form of Assessment : Participatory Activities	1. Lecture 2. Question and Answer 3. Discussion 4. Group Assignment 2 X 50		Material: Biogeography Concepts References: <i>Hugget, Richard John. 2004. Fundamentals of Biogeography, Second Ed. New York : Routledge & Francis Group,</i> Material: Scope of biogeography Reader: <i>Kuspriyanto and Sulistinah. 2017. Biogeography. Surabaya: Unipress IKIP Surabaya</i>	5%
2	Analyze environmental factors that influence plants	1.Explain climate factors on plants; explain soil factors on plants; explain organismal factors on plants; explains the law of minimum by Liebiq 2.Accurate analysis of environmental factors that influence plants	Criteria: Exactly >65 Forms of Assessment : Participatory Activities, Portfolio Assessment, Practice / Performance	1. Lecture 2. Question and Answer 3. Discussion 4. Group Assignment 2 X 50		Material: climate, soil and organism factors on plants. Reference: <i>Hugget, Richard John. 2004. Fundamentals of Biogeography, Second Ed. New York : Routledge & Francis Group,</i> Material: Liebiq Law Literature: <i>Kuspriyanto and Sulistinah. 2017. Biogeography. Surabaya: Unipress IKIP Surabaya</i>	5%
3	Evaluate vegetation types	1.Explain the types of vegetation 2.Accuracy of evaluation regarding vegetation type	Criteria: 1.Minimum Completeness Criteria (KKM): > 65 2.Learning Process Assessment 3.Assessment of Learning Outcomes Form of Assessment : Participatory Activities, Portfolio Assessment	1. Lecture 2. Question and Answer 3. Discussion 4. Group Assignment 2 X 50		Material: Types of vegetation Reference: <i>Hugget, Richard John. 2004. Fundamentals of Biogeography, Second Ed. New York : Routledge & Francis Group,</i>	5%

4	Evaluate vegetation types	<p>1.Explain the factors that influence vegetation distribution, differences between cosmopolitan and endemic vegetation distribution, as well as the theory of endemic occurrence</p> <p>2.Accuracy of evaluation regarding vegetation type</p>	<p>Criteria:</p> <p>1.Minimum Completeness Criteria (KKM): > 65</p> <p>2.Learning Process Assessment</p> <p>3.Assessment of Learning Outcomes</p> <p>Form of Assessment :</p> <p>Participatory Activities</p>	<p>1. Lecture</p> <p>2. Question and Answer</p> <p>3. Discussion</p> <p>4. Group Assignment</p> <p>2 X 50</p>		<p>Material: Vegetation Distribution</p> <p>Bibliography: Hugget, Richard John. 2004. <i>Fundamentals of Biogeography, Second Ed.</i> New York : Routledge & Francis Group,</p>	5%
5	Analyze the factors that influence vegetation distribution	<p>1.Explain the meaning of dispersal, dispersal without the help of external factors, dispersal with the help of abiotic external factors, and dispersal with the help of biotic external factors</p> <p>2.Accuracy of analysis regarding factors that influence vegetation distribution</p>	<p>Criteria:</p> <p>1.Minimum Completeness Criteria (KKM): > 65</p> <p>2.Learning Process Assessment</p> <p>3.Assessment of Learning Outcomes</p> <p>Form of Assessment :</p> <p>Participatory Activities, Portfolio Assessment</p>	<p>1. Lecture</p> <p>2. Question and Answer</p> <p>3. Discussion</p> <p>4. Group Assignment</p> <p>2 X 50</p>		<p>Material: Understanding dispersal</p> <p>Reference: Hugget, Richard John. 2004. <i>Fundamentals of Biogeography, Second Ed.</i> New York : Routledge & Francis Group,</p> <p>Material: How to dispersal</p> <p>Reader: Kuspriyanto and Sulistinah. 2017. <i>Biogeography. Surabaya: Unipress IKIP Surabaya</i></p>	5%
6	Examining the distribution of natural vegetation in the world and flora in Indonesia	<p>1.Draw a map of the distribution of flora in the world and a map of the distribution of flora in Indonesia; shows the western-central-eastern flora boundary in Indonesia</p> <p>2.Accurate study of the distribution areas of natural vegetation in the world and flora in Indonesia</p>	<p>Criteria:</p> <p>1.Minimum Completeness Criteria (KKM): > 65</p> <p>2.Learning Process Assessment</p> <p>3.Assessment of Learning Outcomes</p> <p>Form of Assessment :</p> <p>Participatory Activities</p>	<p>1. Lecture</p> <p>2. Question and Answer</p> <p>3. Discussion</p> <p>4. Group Assignment</p> <p>2 X 50</p>		<p>Material: Distribution of natural vegetation in the world</p> <p>Reference: Hugget, Richard John. 2004. <i>Fundamentals of Biogeography, Second Ed.</i> New York : Routledge & Francis Group,</p> <p>Material: Distribution of flora in Indonesia</p> <p>Reference: Kuspriyanto and Sulistinah. 2017. <i>Biogeography. Surabaya: Unipress IKIP Surabaya</i></p>	10%

7	Examining the distribution areas of natural vegetation in the world and flora in Indonesia	<p>1. Draw a map of the distribution of natural vegetation in the world and a map of the distribution of flora in Indonesia; shows the western-central-eastern flora boundary in Indonesia</p> <p>2. Accurate study of the distribution areas of natural vegetation in the world and flora in Indonesia</p>	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Minimum Completeness Criteria (KKM): > 65 2. Learning Process Assessment 3. Assessment of Learning Outcomes <p>Form of Assessment : Participatory Activities, Portfolio Assessment</p>	<ol style="list-style-type: none"> 1. Lecture 2. Question and Answer 3. Discussion 4. Group Assignment 2 X 50 		<p>Material: Distribution of natural vegetation in the world</p> <p>Reference: <i>Hugget, Richard John. 2004. Fundamentals of Biogeography, Second Ed. New York : Routledge & Francis Group,</i></p> <hr/> <p>Material: Distribution of flora in Indonesia</p> <p>Reference: <i>Kuspriyanto and Sulistinah. 2017. Biogeography. Surabaya: Unipress IKIP Surabaya</i></p>	10%
8	Midterm Exam (UTS)	Accuracy according to the assessment rubric	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Minimum Completeness Criteria (KKM): > 65 2. Learning Process Assessment 3. Assessment of Learning Outcomes <p>Form of Assessment : Test</p>		LMS SIDIA 2 X 50	<p>Material: Meetings 1 to 7</p> <p>References: <i>Hugget, Richard John. 2004. Fundamentals of Biogeography, Second Ed. New York : Routledge & Francis Group,</i></p> <hr/> <p>Material: Meetings 1 to 7</p> <p>Reader: <i>Kuspriyanto and Sulistinah. 2017. Biogeography. Surabaya: Unipress IKIP Surabaya</i></p> <hr/> <p>Material: Meetings 1 to 7</p> <p>Literature: <i>Suharini, Erni, and Palangan, Abraham. 2014. Biogeography. Yogyakarta: Ombak Publishers.</i></p>	5%

9	Analyze the meaning of the environment, adaptability, animal habitat, and ecosystem	<p>1.Explain the types of living environments, types of adaptability, animal habitats, and ecosystems</p> <p>2.Accuracy of analysis regarding the definition of the environment, adaptability, animal habitat and ecosystem</p>	<p>Criteria:</p> <p>1.Minimum Completeness Criteria (KKM): > 65</p> <p>2.Learning Process Assessment</p> <p>3.Assessment of Learning Outcomes</p> <p>Form of Assessment :</p> <p>Participatory Activities</p>	<p>1. Lecture</p> <p>2. Question and Answer</p> <p>3. Discussion</p> <p>4. Group Assignment</p> <p>2 X 50</p>	<p>Material: - Types of living environment.</p> <p>Bibliography: Hugget, Richard John. 2004. <i>Fundamentals of Biogeography, Second Ed.</i> New York : Routledge & Francis Group,</p> <p>Material: - Various types of adaptability</p> <p>Reader: Kuspriyanto and Sulistinah. 2017. <i>Biogeography. Surabaya: Unipress IKIP Surabaya</i></p>	4%
10	Examining the factors that influence animal distribution	<p>1.Explain climatic factors as barriers to animal distribution, physical factors as barriers to animal distribution, and biological factors as barriers to animal distribution</p> <p>2.Accurate study of factors that influence animal distribution</p>	<p>Criteria:</p> <p>1.Minimum Completeness Criteria (KKM): > 65</p> <p>2.Learning Process Assessment</p> <p>3.Assessment of Learning Outcomes</p> <p>Forms of Assessment :</p> <p>Participatory Activities, Practical Assessment, Practical / Performance</p>	<p>1. Lecture</p> <p>2. Question and Answer</p> <p>3. Discussion</p> <p>4. Group Assignment</p> <p>2 X 50</p>	<p>Material: Factors influencing animal distribution</p> <p>Reference: Hugget, Richard John. 2004. <i>Fundamentals of Biogeography, Second Ed.</i> New York : Routledge & Francis Group,</p>	5%
11	Analyze the division of zoogeographic regions	<p>1.Explain the basis of zoogeographic classification and fauna regions in the world; describes the types of fauna that are characteristic of a region</p> <p>2.Accuracy of analysis regarding the division of zoogeographic regions</p>	<p>Criteria:</p> <p>1.Minimum Completeness Criteria (KKM): > 65</p> <p>2.Learning Process Assessment</p> <p>3.Assessment of Learning Outcomes</p> <p>Form of Assessment :</p> <p>Participatory Activities</p>	<p>1. Lecture</p> <p>2. Question and Answer</p> <p>3. Discussion</p> <p>4. Group Assignment</p> <p>2 X 50</p>	<p>Material: Regional classification based on fauna characteristics.</p> <p>Reference: Hugget, Richard John. 2004. <i>Fundamentals of Biogeography, Second Ed.</i> New York : Routledge & Francis Group,</p>	5%
12	Analyze the division of zoogeographic regions	<p>1.Explain the basis of zoogeographic classification and fauna regions in the world; Describe the types of fauna that are characteristic of a region</p> <p>2.Accuracy of analysis regarding the division of zoogeographic regions</p>	<p>Criteria:</p> <p>1.Minimum Completeness Criteria (KKM): > 65</p> <p>2.Learning Process Assessment</p> <p>3.Assessment of Learning Outcomes</p> <p>Form of Assessment :</p> <p>Participatory Activities</p>	<p>1. Lecture</p> <p>2. Question and Answer</p> <p>3. Discussion</p> <p>4. Group Assignment</p> <p>2 X 50</p>	<p>Material: Regional classification based on fauna characteristics.</p> <p>Reference: Hugget, Richard John. 2004. <i>Fundamentals of Biogeography, Second Ed.</i> New York : Routledge & Francis Group,</p>	5%

13	Describes the distribution of fauna in Indonesia	<p>1. Describe the characteristics of the western, central and eastern fauna</p> <p>2. Accurate description of the distribution of fauna in Indonesia</p>	<p>Criteria:</p> <p>1. Minimum Completeness Criteria (KKM): > 65</p> <p>2. Learning Process Assessment</p> <p>3. Assessment of Learning Outcomes</p> <p>Form of Assessment : Participatory Activities, Portfolio Assessment</p>	<p>1. Lecture</p> <p>2. Question and Answer</p> <p>3. Discussion</p> <p>4. Group Assignment 2 X 50</p>		<p>Material: Fauna divisions in Indonesia - Western fauna - Central fauna - Eastern fauna</p> <p>Bibliography: <i>Hugget, Richard John. 2004. Fundamentals of Biogeography, Second Ed. New York : Routledge & Francis Group,</i></p>	5%
14	Describes the distribution of fauna in Indonesia	<p>1. Describe the characteristics of the western, central and eastern fauna</p> <p>2. Accurate description of the distribution of fauna in Indonesia</p>	<p>Criteria:</p> <p>1. Minimum Completeness Criteria (KKM): > 65</p> <p>2. Learning Process Assessment</p> <p>3. Assessment of Learning Outcomes</p> <p>Form of Assessment : Participatory Activities, Portfolio Assessment</p>	<p>1. Lecture</p> <p>2. Question and Answer</p> <p>3. Discussion</p> <p>4. Group Assignment 2 X 50</p>		<p>Material: Fauna divisions in Indonesia - Western fauna - Central fauna - Eastern fauna</p> <p>Bibliography: <i>Hugget, Richard John. 2004. Fundamentals of Biogeography, Second Ed. New York : Routledge & Francis Group,</i></p>	10%
15	Details conservation and wildlife sanctuaries in Indonesia	<p>1. Explains nature protection, land preservation (conservation) and animals, as well as wildlife protection</p> <p>2. Accurate details regarding conservation and wildlife reserves in Indonesia</p>	<p>Criteria:</p> <p>1. Minimum Completeness Criteria (KKM): > 65</p> <p>2. Learning Process Assessment</p> <p>3. Assessment of Learning Outcomes</p> <p>Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Portfolio Assessment</p>	<p>1. Lecture</p> <p>2. Question and Answer</p> <p>3. Discussion</p> <p>4. Group Assignment 2 X 50</p>		<p>Material: Nature conservation and wildlife reserves - Nature protection - Land and forest preservation. - Protected animals</p> <p>Reader: <i>Hugget, Richard John. 2004. Fundamentals of Biogeography, Second Ed. New York : Routledge & Francis Group,</i></p>	10%

16	Final Semester Examination (UAS)	Accuracy according to the assessment rubric	Criteria: 1. Minimum Completeness Criteria (KKM): > 65 2. Learning Process Assessment 3. Assessment of Learning Outcomes Form of Assessment : Test	LMS SIDIA 2 x 50	Material: Meetings 1 to 15 References: Hugget, Richard John. 2004. <i>Fundamentals of Biogeography, Second Ed.</i> New York : Routledge & Francis Group, Material: Meetings 1 to 15 Reader: Kuspriyanto and Sulistinah. 2017. <i>Biogeography. Surabaya: Unipress IKIP Surabaya</i> Material: Meetings 1 to 15 References: Suharini, Erni, and Palangan, Abraham. 2014. <i>Biogeography. Yogyakarta: Ombak Publishers.</i>	5%
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Evaluation Percentage Recap: Case Study

No	Evaluation	Percentage
1.	Participatory Activities	58.17%
2.	Project Results Assessment / Product Assessment	3.33%
3.	Portfolio Assessment	22.5%
4.	Practical Assessment	1.67%
5.	Practice / Performance	3.34%
6.	Test	10%
		99.01%

Notes

- 1. Learning Outcomes of Study Program Graduates (PLO - Study Program)** are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
- 2. The PLO imposed on courses** are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
- 3. Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
- 4. Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
- 5. Indicators for assessing** ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
- 6. Assessment Criteria** are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
- 7. Forms of assessment:** test and non-test.
- 8. Forms of learning:** Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
- 9. Learning Methods:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
- 10. Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 11. The assessment weight** is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
- 12. TM=Face to face, PT=Structured assignments, BM=Independent study.**

