



## **MODULE HANDBOOK**

### **Biogeography**

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Universitas Indonesia

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## Biogeography

Module designation	Biogeography
Semester(s) in which the module is taught	Fifth (5th) Semester
Person responsible for the module	Andry Rustanto, M.Sc.
Lecturer	<ol style="list-style-type: none"> <li>1. Andry Rustanto, M.Sc.</li> <li>2. Nurul Sri Rahatiningtyas, M.Si.</li> <li>3.</li> </ol>
Language	Bahasa Indonesia
Relation to curriculum	Elective
Teaching methods	Student-centered Learning and combination with Cooperative Learning
Workload (incl. contact hours, self-study hours)	<ol style="list-style-type: none"> <li>1. Lectures: 100 minutes per week per semester</li> <li>2. Assignment: 120 minutes per week per semester</li> <li>3. Independent study: 120 minutes per week per semester</li> <li>4. Minutes x weeks x semester: <math>340 \times 14 \times 1 = 4760</math> minutes per semester</li> <li>5. Midterm Examination: 100 minutes per semester</li> <li>6. Final Examination: 100 minutes per semester</li> <li>7. Total workload per semester: 4950 minutes / 82 hours 40 minutes</li> </ol>
Credit points	2 (Two)
Required and recommended pre-requisites for joining the module	<ol style="list-style-type: none"> <li>1. Thinking Geographically</li> <li>2. Principles and Perspective in Physical Geography</li> <li>3. System and Process of Physical Geography</li> <li>4. Principles and Perspective in Human Geography</li> <li>5. Spatial Organization of Human Activities</li> </ol>
Module objectives/intended learning outcomes	After completing this course, students are expected to be able to analyze (C4) forms, patterns, and the distribution process of the life of plants and animals in relation to human life in various places.
Content	<ol style="list-style-type: none"> <li>1. Process and Pattern of Biogeography: Speciation, Diversification, Extinction, Dispersal, Distribution</li> <li>2. Conditions of Animals and Plants based on Ecological Biogeography Concepts: Habitats, Environment, Niches, Climate and Life, Substrate and Life, Topography and Life, Disturbance, Populations and Interacting Populations, Communities and Communities Change</li> <li>3. Conditions of Animals and Plants based on the Concept of Historical Biogeography: Dispersal and Diversification in the Distant Past; Vicariences in the distant past; Past Community Change.</li> <li>4. Conditions of Animals and Plants based on the Concept of Conservation Biogeography: Conserving Species and Populations, Conserving Communities and Ecosystems.</li> </ol>
Examination forms	-
Study and examination requirements	<ol style="list-style-type: none"> <li>1. Group &amp; Presentation Score (20%)</li> <li>2. Individual Score (30%)</li> <li>3. Midterm Examination (25%)</li> <li>4. Final Examination (25%)</li> </ol>

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Reading list	<p>Matthews, J.A. dan Herbert, T.V. (2008). <i>Geography, A Very Short Introduction</i>. Oxford University Press: New York</p> <p>Sandy, I.M. (1973). <i>Eseni Geografi</i>. Jurusan Geografi, FMIPA Universitas Indonesia</p> <p>Hugget, R.J. 1998. <i>Fundamentals of Biogeography</i>. Routledge</p> <p><i>Fundamentals of Physical Geography</i>. London and New York.</p>
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