

**Undergraduate Programme in Biology**

Telp : +62274 519739  
Email : [bio@uin-suka.ac.id](mailto:bio@uin-suka.ac.id)  
Website : <https://biologi.uin-suka.ac.id/>

**MODULE HANDBOOK**

Module Name	Biogeography
Module level, if applicable	Bachelor
Code, if applicable	BIO425065
Subtitle, if applicable	-
Courses, if applicable	
Semester(s) in which the module is taught	6 <sup>th</sup>
Person responsible for the module	Dr. Ika Nugraheni A.M
Lecturer(s)	Dr. Ika Nugraheni A.M Dr. Eka Sulistiyowati, M.A, M.IWM Siti Aisah, M.Si
Language	Indonesia
Relation to curriculum	Elective course in the third year (5 <sup>th</sup> semester) bachelor's degree
Type of teaching, contact hours	150 minutes lectures and 180 minutes structured activities per week.
Workload	Total workload is 136 hours per semester, which consists of 150 minutes lectures per week for 14 weeks, 180 minutes structured activities per week, 180 minutes individual study per week, in total 16 weeks per semester, including mid exam and final exam.
Credit points	3 credits (4.5 ECTS)
Requirements according to the examination regulations	Students attend a minimum of 75% attendance and participate in practicum activities
Recommended prerequisites	No prerequisites stated on
Module objectives/intended learning outcomes	After completing this course, the students: 1. Students are able to distinguish the character of the habitat to the existence of organisms 2. Students are able to apply the concept of biogeography for conservation 3. Students are able to convey ideas of the distribution of flora and fauna in the world and Indonesia and the factors that influence it
Content	1. Basic concepts of biogeography 2. The distribution of plants on the earth and the environmental factors that affect them 3. Food chain and biogeochemical cycle 4. Biogeographies of microbes 5. Types of biomes on Earth 6. Biogeography of endemic animals and fauna in Indonesia 7. Paleogeographic 8. The role of biogeography in environmental balance

<p>Study and examination requirements and forms of examination</p>	<p>The final mark will be weighted as follows:</p> <table border="1" data-bbox="555 387 1492 622"> <thead> <tr> <th>NO</th> <th>Assessment methods (components, activities)</th> <th>Weight (percentage)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Final exam</td> <td>30%</td> </tr> <tr> <td>2</td> <td>Mid term exam</td> <td>20%</td> </tr> <tr> <td>3</td> <td>Practicum report</td> <td>25%</td> </tr> <tr> <td>4</td> <td>Presentation</td> <td>25%</td> </tr> </tbody> </table> <p>The final assessment is expressed in the form of a letter value converted from a number value with the following categories:</p> <table border="1" data-bbox="555 772 1252 1086"> <thead> <tr> <th>NO</th> <th>Number Value</th> <th>Letter Value</th> <th>NO</th> <th>Number Value</th> <th>Letter Value</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>≥ 95</td> <td>A</td> <td>7</td> <td>65-69.99</td> <td>B/C</td> </tr> <tr> <td>2</td> <td>90-94.99</td> <td>A-</td> <td>8</td> <td>60-64.99</td> <td>C+</td> </tr> <tr> <td>3</td> <td>85-89.99</td> <td>A/B</td> <td>9</td> <td>55-59.99</td> <td>C</td> </tr> <tr> <td>4</td> <td>80-84.99</td> <td>B+</td> <td>10</td> <td>50-54.99</td> <td>C-</td> </tr> <tr> <td>5</td> <td>75-79.99</td> <td>B</td> <td>11</td> <td>55-34.99</td> <td>D</td> </tr> <tr> <td>6</td> <td>70-74.99</td> <td>B-</td> <td>12</td> <td>&lt;35</td> <td>E</td> </tr> </tbody> </table>	NO	Assessment methods (components, activities)	Weight (percentage)	1	Final exam	30%	2	Mid term exam	20%	3	Practicum report	25%	4	Presentation	25%	NO	Number Value	Letter Value	NO	Number Value	Letter Value	1	≥ 95	A	7	65-69.99	B/C	2	90-94.99	A-	8	60-64.99	C+	3	85-89.99	A/B	9	55-59.99	C	4	80-84.99	B+	10	50-54.99	C-	5	75-79.99	B	11	55-34.99	D	6	70-74.99	B-	12	<35	E
NO	Assessment methods (components, activities)	Weight (percentage)																																																								
1	Final exam	30%																																																								
2	Mid term exam	20%																																																								
3	Practicum report	25%																																																								
4	Presentation	25%																																																								
NO	Number Value	Letter Value	NO	Number Value	Letter Value																																																					
1	≥ 95	A	7	65-69.99	B/C																																																					
2	90-94.99	A-	8	60-64.99	C+																																																					
3	85-89.99	A/B	9	55-59.99	C																																																					
4	80-84.99	B+	10	50-54.99	C-																																																					
5	75-79.99	B	11	55-34.99	D																																																					
6	70-74.99	B-	12	<35	E																																																					
<p>Media employed</p>	<p>White-board, Lcd Projector, e-learning (<a href="https://daring.uin-suka.ac.id/">https://daring.uin-suka.ac.id/</a>)</p>																																																									
<p>Reading list</p>	<ol style="list-style-type: none"> <li>Campbell Biology, 2019, Jane Reece, Lisa A. Urry, Peter V. Minorsky, Michael L. Cain, Steven A. Wasserman, Pearson</li> <li>Michael T. Madigan, Kelly S. Bender, Daniel HB., Matthew Sattley, David, A.Stahl. 2019. Brock Biology of Microorganisms. 15th edition. Pearson Education. London.</li> <li>Larry S, Joseph E.Peters, Tina M. Henkin, Wendy C. 2013. Molecular Genetics of Bacteria. 4th edition. ASM Press. America</li> <li>Barros et al, 2022, Parsimony Analysis of Endemicity and Its Application to Animal and Plant Geographical Distributions in the Ibero-Balearic Region (Western Mediterranean). Journal of Biogeography , (29)1, 109-124</li> <li>Golonka, 2007. Late Triassic and Early Jurassic palaeogeography of the world. Palaeogeography (244) 297–307</li> <li>Whittaker &amp; Fernandez, 2007. Island Biogeography. 2nd Edition. Oxford University Press</li> <li>Baquero, F., Coque, T. M., Galán, J. C., &amp; Martinez, J. L. (2021). The Origin of Niches and Species in the Bacterial World. <i>Frontiers in Microbiology</i>, 12, 657986. <a href="https://doi.org/10.3389/fmicb.2021.657986">https://doi.org/10.3389/fmicb.2021.657986</a></li> <li>Morrone, J.J. 2015. Biogeographical regionalisation of the world: a reappraisal. <i>Australian Systematic Botany</i> (28): 81–90</li> </ol>																																																									



# UIN SUNAN KALIJAGA YOGYAKARTA

## FACULTY OF SCIENCE AND TECHNOLOGY

Jl. Marsda Adisucipto Yogyakarta 55281, Telp:+62274519739, Fax:+62274540971,

*E-mail:* [fst@uin-suka.ac.id](mailto:fst@uin-suka.ac.id), *website:* <http://saintek.uin-suka.ac.id/>

### PLO and CO Mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11
CO 1					V						
CO 2										√	
CO 3				√						√	