



UNIVERSITAS NEGERI YOGYAKARTA
FACULTY OF MATHEMATICS AND SCIENCE
DEPARTMENT OF BIOLOGY EDUCATION

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Bachelor of Science in Biology

MODULE HANDBOOK

Module name:	Excursion Study 1
Module level, if applicable:	Undergraduate
Code:	BIM6136
Sub-heading,if applicable:	-
Classes,if applicable:	-
Semester:	Even
Module coordinator:	Suhandoyo, MS.
Lecturer(s):	Suhandoyo, MS., Tutik Rahayu, MKes., Sudarsono, MS.
Language:	Indonesian
Classification within the curriculum:	Compulsory Course
Teaching format / class hours per week during the semester:	170 minutes individual study per week
Work load:	170 minutes individual study per week for 16 weeks.
Credit points:	1 SKS (1,64 ECTS)
Prerequisites course(s):	-
Program Learning Outcomes:	<p>PLO.1. Upholding the values of religiosity and humanity and caring for the environment</p> <p>PLO.4. Comprehensively mastering Biology (core biology) to solve problems in the field of Biology (problem-solving) and to underlie the concepts of related sciences</p> <p>PLO.5. Mastering the techniques and methodologies in Biology as well as familiar with the equipment used in Biology laboratories in order to get the knowledge of Biology (how we know what we know)</p> <p>PLO.6. Being adaptive, creative, innovative in applying the concepts of Biology and other related fields</p> <p>PLO.7. Being skillful in applying the techniques used in laboratories and daily life</p> <p>PLO.9. Being able to work and create jobs/being an entrepreneur in the field of Biology</p>

	<p>PLO.10. Having managerial ability to supervise and evaluate workers and optimizing the networks in order to develop professionalism</p> <p>PLO.11. Possessing scientific skills to support the ability to speak in local, national, and international forums</p>															
Course Outcomes	<p>After taking this course, the students have ability to:</p> <p>CO1. Ability to design activities</p> <p>CO.2. Managerial ability and collaboration between individuals and groups.</p> <p>CO.3. Skill of observing and measuring biological objects</p> <p>CO.4. Mastering the method of observing biological objects in the field.</p> <p>CO.5. The skill of managing and recognizing biological objects</p> <p>CO.6. Ability to process data</p> <p>CO.7. The ability to display scientific products is based on data from observations and measurements in the field.</p> <p>CO.8. Scientific communication skills</p>															
Content:	This course contains how to design biological observational activities in the field, starting with the determination of locations, objects, field surveys and skills training needed.															
Study/examachievements:	<p>The final mark will be weight as follow:</p> <table border="1"> <thead> <tr> <th>No</th> <th>CO</th> <th>Assessment Object</th> <th>Assessment Technique</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CO.1 to CO.8</td> <td>Observed attitudes , knowledge, and skills</td> <td>Survey, test, rubrics and manuals</td> <td>100%</td> </tr> <tr> <td colspan="4">Total</td> <td>100%</td> </tr> </tbody> </table>	No	CO	Assessment Object	Assessment Technique	Weight	1	CO.1 to CO.8	Observed attitudes , knowledge, and skills	Survey, test, rubrics and manuals	100%	Total				100%
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1	CO.1 to CO.8	Observed attitudes , knowledge, and skills	Survey, test, rubrics and manuals	100%												
Total				100%												
Forms of media:	Real objects in the field															
Reference:	<p>Suhandoyo, 2017. <i>Manual Prosedur Studi Ekskursion Biologi</i>.</p> <p>Harriet A. Woods.1937. <i>A study of the origin and development of the educational excursion and field trip</i>. Iowa Research online. University of Iowa.</p>															

PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11
CO1	✓						✓				
CO2	✓						✓		✓	✓	
CO3	✓			✓			✓				
CO4	✓			✓	✓		✓				
CO5	✓			✓	✓		✓				
CO6	✓						✓				
CO7	✓					✓	✓				✓
CO8	✓					✓	✓		✓	✓	✓