



UNIVERSITAS NEGERI YOGYAKARTA

BIOLOGY EDUCATION

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Bachelor of Education in Biology

MODULE HANDBOOK

Module name:	Biology Materials Development Workshop
Module level, if applicable:	Undergraduate
Code:	BIP6239
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	
Module coordinator:	Yuni Wibowo, M. Pd.
Lecturer(s):	Yuni Wibowo, M. Pd..
Language:	Bahasa Indonesia
Classification within the curriculum:	University Course
Teaching format / class hours per week during the semester:	100 minutes lectures and 120 minutes structured activities per week.
Workload:	Total workload is 90.67 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week for 16 weeks.
Credit points:	2 SKS (3 ETCS)
Prerequisites course(s):	-
Targeted learning outcomes:	After taking this course, the students are expected to be able to: CO1. describe the characteristics and scope of learning resources CO2. identify environmental potentials as sources of learning biology CO3. analyze research results as a source of learning biology CO4. describe the characteristics of various types of biological teaching materials (handouts, modules, textbooks, and computer-based teaching materials) CO5. create biological teaching materials in the form of modules CO6. create biological teaching materials in the form of biology textbooks

Content:	<p>This course examines the development of biology teaching materials including: the scope of learning resources, identification of various kinds of biological learning resources, identification of objects and biological problems based on local potential, steps to appoint research results as a source of learning biology, characteristics of biology teaching materials, development of materials in the biology teaching in the form of handouts, development of module teaching materials (characteristics, types, and systematics modules), textbooks, comic teaching materials, and computer-based teaching materials.</p>															
Study / exam achievements:	<p>Attitude assessment is carried out at each meeting by observation and/or self-assessment techniques using the assumption that basically every student has a good attitude. The student is marked very good or not good attitude if they show it significantly compared to other students in general. The result of attitude assessment is not taken into account in the final grades, but as one of the requirements to pass the course. Students will pass from this course if at least have a good attitude.</p> <p>The final mark will be weight as follow:</p> <table border="1" data-bbox="620 991 1403 1318"> <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>CO1, CO2, CO3, CO4, CO5, CO6</td> <td>a. Scores for each sub competence b. Mid-term exam c. Final Exam</td> <td>Presentation / written test</td> <td>60% 20% 20%</td> </tr> <tr> <td colspan="4">Total</td> <td>100%</td> </tr> </tbody> </table>	No	CO	Assessment Object	Assessment Technique	Weight	1	CO1, CO2, CO3, CO4, CO5, CO6	a. Scores for each sub competence b. Mid-term exam c. Final Exam	Presentation / written test	60% 20% 20%	Total				100%
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Total				100%												
Forms of media:	Board, LCD Projector, Laptop/Computer															
References:	<p>Heninch Robert, dkk. 2002. <i>Instructional Media and Technologies for Learning</i>. New Jersey: Pearson Education, Ltd.</p> <p>Azhar Arsyad. 2000. <i>Media Pengajaran</i>. Jakarta: PT Raja Grafindo Persada.</p> <p>Heinich, R., cs. 1985. <i>Instructional Media</i>. New York: Macmillan Publishing Company.</p> <p>Marsh, Collin. 1996. <i>Hand Book for Beginning Teachers</i>. Melborne: Longman.</p> <p>Suhardi. 2002. <i>Pengembangan Sumber Belajar Biologi</i>. Yogyakarta: Jurusan Pendidikan Biologi FMIPA UNY.</p> <p>Sungkono dkk. 2003. <i>Pengembangan Bahan Ajar</i>. Yogyakarta: Fakultas Ilmu Pendidikan UNY.</p> <p>Yayan Sopyan. 2007. <i>Mengenal dan Mengoptimalkan Google</i>. Jakarta: Media Kita</p>															

PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12
CO1					√							
CO2					√							
CO3					√							
CO4					√							
CO5					√							
CO6					√							