





**MINISTRY OF EDUCATION, CULTURE, RESEARCH AND
TECHNOLOGY
MULAWARMAN UNIVERSITY
FACULTY OF TEACHER TRAINING AND EDUCATION
BIOLOGY EDUCATION STUDY PROGRAM**

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LESSON PLAN

Course	Course Code	Clusters of Courses	Weight (credit)	Semester	Date Compilation
Instructional Media	19050162P031	Course offered by Study Program	2	4	August 10, 2020
Authorization	Course Coordinator		TEAM Teaching Courses		Coordinator of Study Program
	Signature  Dr. Hj. Herliani, M.Pd		1.Dr. Hj. Herliani, M.Pd 2. Masitah S.Pd, M.Pd 3. Zenia Lutfi Kurniawati, S.Pd, M.Pd		Signature  Dr. Hj. Herliani, M.Pd
Learning Outcomes	Learning Outcomes of Graduates of Study Programs (PLO) Charged on Courses				
	Attitude	S2. Collaborate and be responsible for his work in the fields of biology and learning			
	Knowledge	P2. Able to implement pedagogic science in Biology learning in Moist Tropical Forests and their Environment			
	General Skill	KU2. Able to follow the development of biological science and learning, have an entrepreneurial spirit and good communication skills			

Course Learning Outcomes (CLO)	
	<ol style="list-style-type: none"> 1. Students are able to work together and be responsible for their work in the implementation of learning and the practice of making learning media 2. Able to implement pedagogic science in developing biology learning media based on Moist Tropical Forests and their Environment 3. Able to follow the development of biology science and learning in participating in learning media lectures and develop an entrepreneurial spirit in the field of biology and learning as well as good communication skills
Integrated Principle Scientific Studies of Unmul	<p>1.6 EXPLORATION, UTILIZATION AND USE OF NATURAL RESOURCES AND THE ENVIRONMENT: contains procedures, rules, norms, laws and others in the utilization of tropical rain forests and their environment so that they do not have a negative impact on life.</p> <ol style="list-style-type: none"> 1. Utilization of natural resources: The concept of principles and objectives
Course Description	<p>The Learning Media Course studies (1) the understanding and basic principles of learning media; (2) the role and function of learning media; (3) the benefits of learning media; (4) types of media; (5) the criteria for selecting learning media and factors influencing the selection of learning media; (6) take advantage of the natural wealth of the humid tropical rain forest and the environment as a medium for learning biology; (8) designing and creating learning media that are suitable for the industrial revolution 4.0 era and the 5.0 social revolution era. The learning process is carried out through discussion, practice, and project-based learning.</p>
Reference	<ol style="list-style-type: none"> 1. Nurdyansyah. 2019. Innovative Learning Media. Sidoarjo: Umsida Press. 2. Riyana, Cepi. 2012. Learning Media. Jakarta: Director General of Islamic Education, Ministry of Religion of the Republic of Indonesia. 3. Sumiharsono, Rudi & Hasanah, Hisbiyatul. 2017. Learning Media. Jember: CV. Eternal Library. 4. Ramli, Muhammad. 2012. Media and Learning Technology. Banjarmasin: IAIN Antasari Press. 5. Supandi, M., & Gymnastics, S. (2020). Development of science learning media-based local wisdom Batui to improve critical thinking abilities. Journal of Education and Teaching, 52(3), 163-171. two:http://dx.doi.org/10.23887/jpp.v52i3.18149
Instructional Media	Software :
	Applications for creating documents, creating broadcasts, creating images, creating and editing videos
	Hardware :
	<ol style="list-style-type: none"> 1. Laptops 2. HP

Prerequisite Course (if any)	-
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Weeks	Sub-CLO	Indicator	Study Material	Learning Strategies (Models and Methods)	Student Learning Experience	Evaluation			Reference
						Type	Criteria	Weight (%)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Explain the content of the lesson plan which consists of materials, learning strategies, and assessment systems Understanding the study contract Mastering the understanding and basic principles of learning media	Explain the meaning and basic principles of learning media	Lesson plan tuition contract Understanding and basic principles of learning media	Learning model: Expository Learning methods: Lectures, discussions	Listening to the explanation from the lecturer about lesson plan agree on a study contract with the lecturer Discuss the meaning and basic principles of learning media	Written test	Answer Accuracy	6	4
2	Mastering theories and principles about the role, function and benefits of learning media	Explain the role, function and benefits of learning media	The role and function of learning media Benefits of learning media	Learning model: Expository and inquiry Learning methods: Lectures, discussions	Searching for information about the role, function and benefits of learning media Discuss the search results about the role, function and benefits of learning media Concluding the results of the discussion about	Written test	Answer Accuracy	8	1-4

Weeks	Sub-CLO	Indicator	Study Material	Learning Strategies (Models and Methods)	Student Learning Experience	Evaluation			Reference
						Type	Criteria	Weight (%)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
					the role, function and benefits of learning media				
3-4	Explain the types of learning media	Explain the types of learning media	Types of learning media	Learning model: inquiry Learning methods: Lectures, discussions, presentations	Identify the types of learning media used in schools through searches in books and on search pages Looking for examples of the types of learning media Discuss search results about types of learning media Presenting the results of discussions about the types of learning media and examples	Written test	Answer Accuracy	8	1-4
5	Explain the selection criteria for learning media and its determinants	Explain the criteria for selecting learning media and the factors that influence the selection of	Criteria for choosing learning media and factors that influence the selection of learning media	Learning model: inquiry Learning methods: Lectures, discussions, presentations	Identifying the selection criteria for learning media and the factors that influence it Discuss the search	Written test	Answer Accuracy	8	1-4

Weeks	Sub-CLO	Indicator	Study Material	Learning Strategies (Models and Methods)	Student Learning Experience	Evaluation			Reference
						Type	Criteria	Weight (%)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
		learning media			<p>results about the selection criteria for learning media and the factors that influence it with a group of friends</p> <p>Presenting the results of the discussion about the selection criteria for learning media and the factors that influence it</p> <p>Listening to the lecturer's confirmation regarding the material regarding the selection criteria for learning media and the factors that influence it</p>				
6-7	Implementing theories, principles and procedures in creating learning	Designing/making/developing learning media based on the	Utilizing the natural wealth of the humid tropical rain	<p>Learning model: inquiry</p> <p>Learning methods:</p>	Identify the natural wealth of the humid tropical rain forest and	written test, Non Test: Assignment Assessment	Answer Accuracy	20	1-5

Weeks	Sub-CLO	Indicator	Study Material	Learning Strategies (Models and Methods)	Student Learning Experience	Evaluation			Reference
						Type	Criteria	Weight (%)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	media that utilize the natural wealth of the humid tropical rain forest area and the environment	natural wealth of the humid tropical rain forest and its environment	forest and the environment as a medium for learning biology	lecture, discussion, presentation	the environment that can be used as a medium for learning science/biology in accordance with basic competencies (KD) Designing learning media Make learning media according to the design Presenting the results of making learning media				
8	Midterm exam								
9	Identifying the use of learning media in schools	Analyzing science/biology learning media in primary and secondary schools Evaluating the types and uses of science/biology learning media in schools	Science/Biology learning media in primary and secondary schools	Learning model: Case study	Listening to case presentations about the application of learning media in schools from resource persons Discuss with group friends about evaluating	Written test	Answer Accuracy	10	1

Weeks	Sub-CLO	Indicator	Study Material	Learning Strategies (Models and Methods)	Student Learning Experience	Evaluation			Reference
						Type	Criteria	Weight (%)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
					<p>cases that occur</p> <p>Discuss solutions that can be applied to solve the case</p> <p>Presenting the results of the discussion to classmates</p> <p>Get feedback from resource persons and lecturers</p>				
10-15	Implementing theories, principles, and concepts of learning media in designing and making science/biology learning media	Design and create learning media that are appropriate for the industrial revolution 4.0 era and the 5.0 social revolution era.	<p>10th meeting: Realia and artificial learning media</p> <p>11th meeting: 2D and 3D learning media</p> <p>12th meeting: Digital learning media: modules, worksheets, handouts, leaflets, posters</p>	Learning model: Inquiry	<p>Listening to an explanation of the learning media that will be designed</p> <p>Designing learning media according to the theme</p> <p>Creating learning media according to the theme</p> <p>Presenting the results of making</p>	written test, Non Test: Assignment Assessment	Answer Accuracy	40	1-4

Weeks	Sub-CLO	Indicator	Study Material	Learning Strategies (Models and Methods)	Student Learning Experience	Evaluation			Reference
						Type	Criteria	Weight (%)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			13th meeting: Digital learning media: concept maps, mind maps, animation ppt, audiovisual ppt 14th meeting: Digital learning media: learning videos 15th meeting: Internet-based learning media		learning media Get feedback from lecturers regarding the learning media that have been made				
16	Final Semester Exam								

Samarinda, August 10, 2020

Coordinator of Biology Education Study Program

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