EVALUATION OF BIOLOGY LEARNING OUTCOMES LESSON PLAN



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

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No. Doc	5.3
Release	July 6, 2020
Date	
No	3
Revision	
Page	12

		\mathbf{L}	ESSON	PLAN					
Sub	ject	Course Code	Clusters	of Courses	Weight (credit)	Semeste	r	date Compilation	
Evaluation of Bi Outc	00	19050163W039	O Course Offered by Study Program		3	5	,		
Author	ization	Course Coord	linator	TEAN	M Teaching Co	ourses	co	ordinator Study Program	
		1 frms		1. Dr. Hj. Herliani, M.Pd 2. Masitah, S.Pd, M.Pd				1 Jrms	
		Dr. Hj. Herlian	i, M.Pd				Dr.	Hj. Herliani, M.Pd	
Learning	Learning (Outcomes of Stud	ly Progran	n Graduates (LO-Study Pro	ogram) Charg	ed on	Courses	
Outcomes	Attitude	A2 Collabo	orate and ta	ke responsibilit	ty for work in t	heir fields of b	oiology	and learning.	
	Knowledge		-	t pedagogical est and its Envi		earning Biology in the context of			

	Specific Skills Specific Skills SS3 Able to design, implement, develop evaluation instruments in accordance with the concept of learning in the field of Biology							
	Course Learning Outcomes (CLO)							
	1. Able to demonstrate a collaborate and take responsible for work attending Evaluation of Biology Learning Outcomes							
	lectures							
	2. Able to implement pedagogical science in learning Biology in the field of Evaluation of Biology Learning Outcomes							
	3. Able to design, implement, develop evaluation instruments in accordance with the concept of learning in the field of Evaluation of Biology Learning Outcomes							
Integrated	Concepts, behavior, social strata in general and people in tropical rainforest areas on the island of Borneo							
Principle Scientific Studies of Unmul								
Course Description	The Biology Learning Process and Outcomes Evaluation course consists of introductory study materials for educational							
	evaluation and evaluation, learning outcomes evaluation techniques, test techniques and non-test techniques as a means							
	of evaluating learning outcomes, techniques for preparing and implementing learning outcomes tests, test validity testing							
	techniques and item validity. learning outcomes tests, learning outcomes test reliability testing techniques, examination							
	techniques, scoring and processing learning outcomes tests, analysis techniques for learning outcomes test items,							
	techniques for determining final grades, ranking and making learning achievement profiles							
Reference	 Prof. Drs. Anas Sudjiono, Introduction to Educational Evaluation. 2016. Jakarta. PT. Raja Grafindo Persada Doran R., 1980. Basic Measurement and Evaluation of Science Instruction, Washington: NSTA Ngalim Purwanto, 1986. Principles and techniques of Teaching Evaluation. Youth Work. Bandung Wayan Nurkancana and Sumartana, VAT 1983. Evaluation of Education. Surabaya: National Usak 							

Learning Media	Software:			H	ardware :						
	1. Powerpo				Laptops HP	1. Laptops 2. HP	,				
Prerequisite				-							
Courses (If any)				1 .				T 1			
meeting-to Su	b-CPMK	Indicator	Study Material	Learning Strategies (Models and Methods)	Stude Learni Experie	ing	Type	Evaluation Criteria	Weight (%)	Refe	erence
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)	(1	10)
unders the Lec includi 1) Com stand comp lectu 2) The lectu 3) Lect and a eeva biolo	petency ards, basic betencies, and re indicators; burpose of the	1. Explaining the Lecture Contract 2. Explain the course description of Evaluation of Biology Learning Process and Outcomes; 3. Explain the meaning of Evaluation of Biology Learning	1. Rights and obligations of lecturers and students, 2. Description of the educational profession course	Strategy: 1. Models: Direct learning (conventional) 2. Method: Lectures, Q&A, assignments . Lecturer submit lecture contract course description Explain eth	with other students of different ethnicities group discussion about the meaning o educationa profession	ct which 1. attit f 2. kno 3. skill in 4. pres s f the	ment includes: ude, wledge ls	■ Assessment criteria: PAP ■ Form of assessment : oral, written, portfolio	5	1,2,3,	, 4

process

results of learning

biology is seen

from the concept,

behavior, social

and

4) Learning evaluation

5) Explain the overall

scope of the material

evaluation of oroses

and biology learning

techniques.

Process and

Outcomes;

	outcomes.			strata in general					
				and the					
				community in the					
				tropical rain					
				forest area on the					
				island of Borneo.					
				•Students listen,					
				and ask things					
				that are not clear					
				about eevaluation					
				of the process and					
				results of learning					
				biology seen					
				from the concept,					
				behavior, social					
				strata in general					
				and the					
				community in the					
				tropical rain					
				forest area on the					
				island of					
				Kalimantan					
				•Lecturers give					
				assignments to					
				students related					
				to the educational					
				profession					
2-3	Students are	Explaining the	Learning	•Strategy:	Work	Process	Assessment	12.5	1,2,3,4
	ableanalyzing Learning	technique of	Outcome	1. Models:	independently,	assessment	criteria:		
	Outcome Evaluation	evaluating		STAD	and interact	which includes:	PAP		
	Techniques	learning	Evaluation	2. Methods:	with other	1. attitude,	■Form of		
		outcomes	Techniques	lectures,	students	2. knowledge	assessment		

			1) Basic Principles of Evaluation 2) Characteristics of Evaluation of Learning Outcomes 3) Cognitive, affective and psychomotor domains as objects of	discussions, presentations, questions and answers, giving assignments aboutlearning outcomes evaluation techniques	discussing learning outcomes evaluation techniques	3. skills 4. task	: oral, written, portfolio		
4-5	Student Able to	Analyzing test techniques and	3) Cognitive, affective and psychomotor domains as	outcomes evaluation techniques	Work independently,	Process	Assessment criteria:	15	1,2,3,4
	analyze test techniques	techniques and	2. Non-Test	1. Models:	maepenaemiy,	assessment	criteria.		

and non-test	non-test	Techniques	STAD	and interact	which includes:	PAP	
techniques as a tool for		Teeminques	2. Methods:	with other	1. attitude,	Form of	
evaluating learning	tool for		lecture,	students	2. knowledge	assessment	
outcomes	evaluating		discussion,	discussing Test	3. skills	: oral,	
outcomes	learning		presentation,	Techniques and	4. task	written,	
	outcomes		question and	non-test	T. tusic	portfolio	
	outcomes		answer,	techniques as a		portiono	
			assignment.	tool for			
			ussigiment.	evaluating			
			With the	learning			
			provision of	outcomes			
			understanding				
			independently,				
			and in groups,				
			mutually				
			strengthen				
			understanding				
			of Test				
			Techniques and				
			non-test				
			techniques as a				
			tool for				
			evaluating				
			learning				
			outcomes				
			Students, under				
			the guidance of				
			lecturers, draw				
			conclusions				
			regarding test				
			techniques and				
			non-test				
			techniques as a				

				tool for evaluating learning outcomes	W			15	1224
6-7	Students are able Able to analyze the technique of preparing and implementing learning outcomes tests	Analyze techniques for preparing and implementing learning outcomes tests	1. Characteristics of the test 2. The basic principles of test preparation. 3. Forms of learning outcomes tests and techniques the arrangement 4. The technique of implementing the learning outcomes test	Strategy: 1. Models: STAD 2. Methods: lecture, discussion, presentation, question and answer, assignment. With the provision of understanding independently, and in groups, mutually strengthen understanding of the technique of preparing and implementing learning outcomes tests Students, under the guidance of lecturers, make	Work independently, interact with other students about the technique of preparing and implementing learning outcomes tests	Process assessment which includes: 1. attitude, 2. knowledge 3. skills 4. task	■ Assessment criteria: PAP ■ Form of assessment : oral, written, portfolio	15	1,2,3,4
				conclusions regarding the					

8 9-10	Student able to analyze the test validity test techniques and the validity of the learning outcomes items	Analyzing test validity testing techniques and the validity of learning outcomes items	1. The technique of testing the validity of the learning outcomes test 2. The technique of testing the validity of learning outcomes	technique of preparing and implementing learning outcomes tests Mid-Semester Ex Strategy: 1. Models: STAD 2. Methods: lecture, discussion, presentation, question and answer, assignment With the provision of understanding independently, and in groups, students in addition, strengthen each other's	am (UTS) Work independently, and interact with other students of different ethnicities in group discussions about test validity testing techniques and the validity of learning outcomes items	Process assessment which includes: 1. attitude, 2. knowledge 3. skills 4. task	Assessment criteria: PAP Form of assessment: oral, written, portfolio	15	1,2,3,4
				addition, strengthen each					
11-12	Students are able to analyze the reliability testing technique of	Analyzing the reliability testing technique of	Reliability Testing Techniques for	Strategy: 1. Models: STAD	Work independently and interact	Process assessment which includes:	Assessment criteria: PAP	15	1,2,3,4

learning outcomes test	learning outcomes test	Learning Outcome Tests in the Form of Description 2. Reliability Testing Techniques for	2. Methods: lecture, discussion, presentation, question and answer, assignment	Questions and	1. attitude, 2. knowledge 3. skills 4. task	Form of assessment : oral, written, portfolio		
		Objective Learning Outcomes	With the provision of understanding independently, and in groups, students strengthen each other's understanding of the reliability testing techniques of learning	learning outcomes				
Students are able to analyze examination techniques, scoring and processing study test results	Analyzing examination techniques, scoring and processing learning test results	1. Examination Techniques for Studying Test Results 2. The technique of scoring the results of the learning outcomes test 3. Processing and converting techniques (Conversion) Scores of	outcomes tests Strategy: 1. Models: STAD 2. Methods: lecture, discussion, presentation, question and answer, assignment With the provision of understanding	independently and interact with other students through questions and	Process assessment which includes: 1. attitude, 2. knowledge 3. skills 4. task	■ Assessment criteria: PAP ■ Form of assessment : oral, written, portfolio	7.5	1,2,3,4

			learning test results into grades	independently, and in groups, students strengthen each other's understanding of examination techniques, scoring and processing study test results					
14	Students are able to analyze the technique of analyzing learning outcomes test items	outcomes test items	1. Difficulty degree analysis technique 2. Distinguishing power analysis techniques 3. The technique of analyzing the distractor function	Strategy: 1. Models: STAD 2. Methods: lecture, discussion, presentation, question and answer, assignment . With the provision of understanding independently and in groups, students strengthen each other's understanding of the technique of analyzing learning	Work independently and interact with other students through questions and answers about the technique of analyzing learning outcomes test items	Process assessment which includes: 1. attitude, 2. knowledge 3. skills 4. task	■ Assessment criteria: PAP ■ Form of assessment : oral, written, portfolio	7.5	1,2,3,4

				outcomes test					
15	Students are able to analyze techniques for determining final grades, compiling rankings and making learning achievement profiles	Analyzing techniques for determining final grades, compiling rankings and making learning achievement profiles	1. Final score determination technique 2. Ranking technique 3 Techniques for profiling learning achievement	Strategy: 1. Models: STAD 2. Methods: lecture, discussion, presentation, question and answer, assignment . With the provision of understanding independently and in groups, students strengthen each other's understanding of techniques for determining final grades, ranking rankings and making learning achievement profiles	Work independently and interact with other students through questions and answers about techniques for determining final grades, ranking rankings and making learning achievement profiles	Process assessment which includes: 1. attitude, 2. knowledge 3. skills 4. task	Assessment criteria: PAP Form of assessment: oral, written, portfolio	7.5	
16				Final Semester Ex	xam (UAS)	•	•		

Coordinator of Biology Education Study program

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Samarinda, March 10, 2020 Course Coordinator

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