

## Universitas Negeri Surabaya Faculty of Mathematics and Natural Sciences Biology Education Masters Study Program

Document Code

SEMESTER LEARNING PLAN																			
Courses		CODE		Course Family			Credit Weight				SE	MES	TER	Com	pilati	on			
Innovative Learning		1234502005						T=2	P=	0	ECTS	=4.48	3	1		July	17, 20	)24	
AUTHORIZATION		SP Develop	SP Developer					Course Cluster Coordinator							Study Program Coordinator				
							Dr. Wisanti, M.S							Prof. Dr. Yuliani, M.Si.					
Learning model	Case Stud	dies																	
Program Learning	PLO stud	LO study program which is charged to the course																	
Outcomes (PLO)	Program Objectives (PO)																		
(1 20)		Able to develop Biology Education concepts and Biology Education technology to overcome problems through innovative research or scientific performance.																	
		Able to develop logical, critical, systematic and creative thinking through scientific research, in the field of Biology Education, as well as compiling scientific conceptions and study results based on scientific rules, procedures and ethics.																	
	PO - 3	Developing the concept of bioecopreneurship in the field of Biology Education to support community independence towards the era of Industrial Revolution 5.0.																	
		Able to solve Biology learning or education problems by developing HOTS and TPACK based educational models or programs that are beneficial to society and educational science.																	
		Able to demonstrate a responsible attitude towards work in their field of expertise by paying attention to academic ethics in carrying out their professional duties, and able to embody the character of faith, intelligence, independence, honesty, caring and toughness in daily behavior.																	
	PLO-PO N	PLO-PO Matrix																	
		P.O																	
		PO-1																	
		PO-2																	
		PO-3																	
		PO-4																	
		PO-5																	
	PO Matrix at the end of each learning stage (Sub-PO)																		
	P.O Week																		
		DO 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
		PO-1										+							
		PO-2 PO-3	+			+	1												
		PO-3	+																

PO-5

## Study of innovative learning models based on active students both conceptually and the empirical data that supports them. The learning models studied include inquiry learning, discovery learning, cooperative learning, problem based learning, project based learning, and TPACK based learning. The study is carried out through discussions, chapter reports, and evaluation of real learning from various online media. Lecture activities lead to generating ideas for developing innovative learning plans as a form of solution to identified **Short** Course Description problems. Main: References 1. Arends, Richard I. (2012). Learning To Teach sixth Edition. New York: McGraw-Hill Book Company. 2. Arends, Richard I. (2004). Guide to Field Experiences and Portofolio Development: to accompany ;learning to teach. New York: McGraw-Hill Book Company. Supporters:

Supporting lecturer

Dr. Wisanti, M.S. Dr. Rinie Pratiwi Puspitawati, M.Si.

lecturer	Dr. Rinie i	Pratiwi Pusp	itawati, M.Si.					
Week-	Final abilities of each learning stage (Sub-PO)	polities of ach arning arge Indicator Criteria & Form		Stu Stu Offline ( offline	Help Learning, earning methods, dent Assignments, Estimated time] Online ( online )	Learning materials [ References	Assessment Weight (%)	
	(0)			)				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
1							0%	
2							0%	
3							0%	
4							0%	
5							0%	
6							0%	
7							0%	
8							0%	
9							0%	
10							0%	
11							0%	
12							0%	
13							0%	
14							0%	
15							0%	
16			Form of Assessment : Practice / Performance	-			0%	

Evaluation Percentage Recap: Case Study

No	Evaluation	Percentage
110	Lvaldation	i ciccitage
		00%

## Notes

- Learning Outcomes of Study Program Graduates (PLO Study Program) are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
- The PLO imposed on courses are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
- 3. **Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
- 4. **Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course
- 5. **Indicators for assessing** ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
- 6. **Assessment Criteria** are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
- 7. Forms of assessment: test and non-test.
- 8. Forms of learning: Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
- Learning Methods: Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
- 10. Learning materials are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 11. The assessment weight is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
- 12. TM=Face to face, PT=Structured assignments, BM=Independent study.