

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

Document Code

		SEMI	EST	EF	R L	.E	ΑF	SΝ	III	١G	PL	.AN						
Courses	CODE		Course Family				Credit Weigh		ight	t s		SEMESTER		Compilation Date		tion		
Learning Des Evaluation (L Design and E	84102031	54	Compuls Study Program		n	T:	=3	P=0	EC1	S=6.7	2	2			nuary 24	19,		
AUTHORIZAT	SP Develo	Subject eveloper					Course Cluster Coordinator						Study Program Coordinator					
							Dr. Masriyah, M.Pd.							Dr. Agung Lukito, M.S.				
Learning model	Project B	ect Based Learning																
Program	PLO study program that is charged to the course																	
Learning Outcomes	PLO-6	Able to design, implement, and evaluate an effective and innovative mathematics instruction																
(PLO)	PLO-9	Able to demoi	nstrate	matl	nema	atics	ped	ago	gica	al cor	ntent l	knowle	dge a	nd un	ders	tand	ding	
	PLO-11	Collaborate and be responsible professionally and ethically in completing mathematics and mathematics education tasks											ınd					
	PLO-13	Able to work independently on a complex problem in mathematics and mathematics education, and thoroughly present and scientifically discuss the results both orally and in writing																
	Program Objectives (PO)																	
	PO - 1	Able to design effective and innovative mathematics learning based on the theories that have been studied.																
	PO - 2	Understand pedagogical knowledge about learning design and mathematics evaluation.																
	PO - 3	Collaborate and be responsible professionally and ethically in completing learning design and evaluation course assignments.																
	PO - 4	Able to communicate the results of mathematics learning plans effectively in oral and written form.																
	PLO-PO Matrix																	
													_					
		P.O		PLO-6			PLO-9					PLO-11			PLO-13			
		PO-1																
		PO-2																
		PO-3																
		PO-4																
PO Matrix at the end of each learning stage (Sub-PO)																		
		P.O								,	Week							
			1	. 2	3	4	5	6	7	8	9 1	.0 11	12	13	14	1	5 16	
		PO-1		1		1								1		1		

PO-2 PO-3 PO-4

Short Course Description	This course examines knowledge about identifying learning needs, analyzing student characteristics and contextual analysis, task analysis, formulating learning objectives, designing learning sequences, determining learning strategies, designing learning messages, developing teaching materials, and developing learning evaluations as well as designing learning and evaluation.						
References	Main:						
	Supporters:						
	 Anderson, L. W. et al. 2000. A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives. US: Pearson; 2. Anderson, L W. 2008. Classroom Assessment: Enhancing The Quality of Teacher Decision Making. US: Lawrence Erlbaum Associates, Inc. Middleton, J. A. and Polly Goepfert. 1996. Inventive strategies for teaching mathematics: Implementing standards for reform. US: APA book. 						
Supporting lecturer	Dr. Hj. Masriyah, M.Pd. Dr. Agung Lukito, M.S. Dr. Endah Budi Rahaju, M.Pd. Dr. Pradnyo Wijayanti, M.Pd.						

Week-	Final abilities of each learning stage (Sub-PO)	Evaluation Indicator Criteria & Form		Offline (offline	Help Learning, earning methods, dent Assignments, Estimated time] Online (online)	Learning materials [References	Assessment Weight (%)	
(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							0%	

Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
		0%

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.