

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

Document Code

SEMESTER LEARNING PLAN

Courses			CODE		Cou Fan			Credit Weight				SE	MEST	ER	Com Date	pilat	ion	
Development of Teaching Materials			8420202004		Compuls Study		,	T=2	P=() E	CTS=	3.18		3		Augi 2022	ust 12	2,
AUTHORIZATION			SP Developer	r Subjects			Course Cluster Coordinator					Study Program Coordinator						
			Dr. Pradnyo W	'ijayan	ti, M.	Pd.	Dr. M.P	Pradn d.	yo W	lijaya	anti,		C	9r. En	dah E M.I	3udi F Pd.	Rahaj	u,
Learning model	Project Based Learning																	
Program	PLO study program which is charged to the course																	
Learning Outcomes (PLO)	PLO-5 Demonstrate a scientific, critical and innovative attitude in teaching and learning mathematics and professional tasks																	
(. 20)	PLO-8	Designing, implementing and evaluating mathematics learning using IT																
	PLO-13																	
	Program	Ob	jectives (PO)															
PO - 1 Demonstrate knowledge about developing mathematics teaching mate implementing and evaluating Mathematics learning. PO - 2 Demonstrate knowledge about developing mathematics teaching mate implementing and evaluating Mathematics learning.									hing materials in designing,									
									mate	rials in designing,								
PLO-PO Matrix																		
			P.O PLO-5			PLO-8 PL				_O-13								
				PO-1														
			PO-2															
	PO Matrix at the end of each learning stage (Sub-PO)																	
											1							
			P.O		-	1		-	1	Week								
		_		1 2	2 3	4	5	6 7	8	9	10	11	12	13	14	15	16	
			PO-1															
			PO-2]
Short	Study the	me	aning, types a	nd rol	e of	teac	hing	mater	ials;	und	lersta	nding	, pro	ocedu	res f	or de	evelo	ping
Course Description	concepts materials; materials;	and dev anc	erials which inc characteristics relopment and u the use of the earning through	s of s utilizati e Inte	tuder ion of rnet a	nts, f prii as a	and nted a lear	factor: and no ning r	s ṫha on-pr esou	at in inteo rce	nfluen d teac accor	ce th ching npan	ne de mate ied b	eveloj erials by its	omen ; eva impl	it of luate emer	teacl teacl ntatio	hing hing n in
References	Main :																	

	 [1] Nana (2020). Pengembangan Bahan Ajar. Klaten: Penerbit Lakeisha. [2] Morrison, Gar Ross, Steven J.; Morrison, Jennifer R.; Kalman, Howard K. (2019). Designing Effe Instruction (Eighth Edition). USA: John Wiley & Sons. [3] Orey, Michael. 2009. Se Educational Media and Technology Yearbook 34. Dr Michael Orey, Dr V. J. McClendom Robert Maribe Branch (eds.). USA: Springer. [4] Pribadi, Benny Agus & Putri, Dewi A. Pac 2019. Pengembangan Bahan Ajar. Edisi Kedua. Jakarta: Universitas Terbuka. [5] Kosasih. 2 Pengembangan Bahan Ajar. Jakarta: Bumi Aksara. Referensi lain yang mendukung. 											
	Suppor	ters:										
Support lecturer	Dr. Rini Dr. Susa Dr. Prac	Iasriyah, M.P Setianingsih, anah, M.Pd. inyo Wijayant Tatag Yuli E	M.Kes.	M.Pd.								
	Final abilities of each	E	valuation	Stu	Help Learning, earning methods, dent Assignments, Estimated time]	Learning materials	Assessment					
Week-	learning stage (Sub-PO)	Indicator	Criteria & Form	Offline (offline)	Online (<i>online</i>)	References	Weight (%)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)					
1				Offline 100 minutes			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.
- 2. 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.
- 9. 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.