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Universitas Negeri Surabaya Faculty of Education, Bachelor of Primary School Teacher Education Study Program

Document Code

(8)

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(6)

SEMESTER LEARNING PLAN

Courses		CODE		Cour	se Fami	ly	Cred	lit We	ight		SEM	ESTER	Compilation Date		
Number Processi		ning and Data		8620603	077				T=3	P=0	ECTS:	=4.77		0	July 18, 2024
AUTHOR	RIZAT	ION		SP Deve	eloper			Cours	e Clu	ster C	oordina	ator		y Progra	am
									Putri Rachmadyanti, S.Pd., M.Pd.						
Learning model	I	Case Studies													
Program		PLO study pro	gran	n that is o	charged to	the cours	е								
Learning Outcom		Program Obje	ctives	s (PO)											
(PLO)		PLO-PO Matrix	K												
				P.O											
		PO Matrix at th	ne en	d of each learning stage (Sub-PO)											
			F	P.0				Week							
				1	2 3	4 5	6 7	8	9	10	11	12	13	14	15 16
Short Course Descript	rse value, GCF, LCM and fract				ns. The lea	arning proce ng out simula	ess inclu ations. E	ıdes ac valuatio	tivities n of le	s that earning	conditi g outcor	on, st	tudy, p	ractice,	explore both
Referen	ces	Main :													
1. Heruman. 2 2. Hadi, Sutart 3. Karim, Mucl 4. Kenedy, LN Company.		utarto. Muchta LM.	. 2005. Pe ar A, dkk.	ndidikan M 2011. Pend	atematika Ro Ialaman Mat	ealistik. I eri Mate	Banjarm matika I	ıasin: Dasar	Tulip. . Mala						
		Supporters:													
Supporting lecturer		PURWANTO Drs. H. Budiyond Dr. Wiryanto, M. Drs. Ec. Budiond Neni Mariana, S Ika Rahmawati, Delia Indrawati,	Si. o, M.S .Pd., N S.Si.,	Si. M.Sc., Ph. M.Pd.	D.										
Week- eac stag		nal abilities of ch learning		E	Evaluation			Help Learning, Learning methods, Student Assignments, [Estimated time]				Learning materials	Assessment Weight (%)		
				ndicator	Crite	ria & Form		ine (ine)	0	nline	(online)	кете	rences]	

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1	Able to analyze number material and data processing in cross-country curricula	1.Able to map the concept of numbers and data processing in elementary schools in the KTSP, K13, Cambridge and Singapore curricula. 2.Able to compare the level of depth of number material and data processing in elementary school.	Criteria: Activeness and assignment results	1. Lecture 2. Question and Answer 3. Discussion 3 X 50		0%
2	Mastering the concept of numbers and counting operations in elementary school	1.Able to learn the concept of numbers and arithmetic operations in elementary school. 2.apply spatial theory in learning number concepts 3.develop learning of number counting operations based on mental arithmetic to increase elementary school students' number sensitivity	Criteria: Activeness and mastery of material	1. Simulation2. Lecture3. Questions and Answers4. Discussion 3 X 50		0%
3	Mastering the concept of learning place value in elementary school	1.Able to teach the concept of place value in elementary school 2.Mastering techniques for learning the concept of place value in elementary school	Criteria: Activeness and mastery of material	1. Lecture 2. Question and Answer 3. Discussion 3 X 50		0%

4	Mastering the concept of FPB learning in elementary schools	1.Able to teach FPB concepts in elementary schools 2.Mastering FPB concept learning techniques in elementary schools	Criteria: Activeness and mastery of material	1. Lecture 2. Question and Answer 3. Discussion 3 X 50		0%
5	Mastering the concept of KPK learning in elementary schools	1. Able to teach the KPK concept in elementary schools 2. Master the techniques for learning the KPK concept in elementary schools	Criteria: Activeness and mastery of material	1. Lecture 2. Question and Answer 3. Discussion 3 X 50		0%
6	Mastering the concept of learning Fractions in Elementary School	1. Able to teach the concept of fractions in elementary school. 2. Master the techniques for learning the concept of fractions in elementary school	Criteria: Activeness and mastery of material	1. Lecture 2. Question and Answer 3. Discussion 3 X 50		0%
7	Mastering the concept of Data Processing in Elementary School	1. Able to teach data processing concepts in elementary schools 2. Master the techniques for learning data processing concepts in elementary schools	Criteria: Activeness and mastery of material	1. Lecture 2. Question and Answer 3. Discussion 3 X 50		0%

8	Students are able to achieve half of the required course achievements	1.Mastering the concept of learning number concepts in elementary school 2.Mastering the concept of number operations in elementary school 3.Mastering the concept of learning place value in elementary school 4.Mastering the concept of FPB learning in elementary schools 5.Mastering the concept of KPK learning in elementary schools 6.Mastering the concept of KPK learning in elementary schools 6.Mastering the concept of learning Fractions in Elementary School 7.Mastering the concept of learning Fractions in Elementary School	Criteria: Maximum Score 100	Sub Summative Exam 3 X 50		0%
9	Mastering the concept of making lesson plans focusing on number material and data processing in elementary schools.	1. Create lesson plans that refer to the 2013 Curriculum and KTSP 2. Create media for learning numbers and data processing in elementary schools	Criteria: Activeness and mastery of material	1. Lecture 2. Question and Answer 3. Discussion 3 X 50		0%
10	Developing media for learning number concepts	Able to create learning media for number concepts	Criteria: Activeness and mastery of material	1. Presentation 2. Questions and Answers 3. Discussion 3 X 50		0%
11	Developing media to teach number counting operations.	Able to create media to learn number counting operations	Criteria: Activeness and mastery of material	1. Presentation 2. Questions and Answers 3. Discussion 3 X 50		0%

12	Developing media to teach data processing in elementary school	Able to create media to teach data processing	Criteria: Activeness and mastery of material	practice making 3 X 50		0%
13	Simulating number learning and data processing in elementary schools (grades 1 and 2)	1.Able to create tools and media for learning numbers and data processing in elementary schools (Grades 1 and 2) 2.Able to simulate number learning and data processing in elementary schools (Grades 1 and 2) (Grades 1 and 2)	Criteria: Activeness and mastery of material	1. Presentation 2. Questions and Answers 3. Discussion 3 X 50		0%
14	Simulates number learning and data processing in elementary schools (Grades 3 and 4)	1.Able to create tools and media for learning numbers and data processing in elementary schools (Grades 3 and 4) 2.Able to simulate number learning and data processing in elementary schools (Grades 3 and 4)	Criteria: Activeness and mastery of material	1. Presentation 2. Questions and Answers 3. Discussion 3 X 50		0%
15	Simulates number learning and data processing in elementary schools (Grades 5 and 6)	1.Able to create tools and media for learning numbers and data processing in elementary schools (Grades 5 and 6) 2.Able to simulate number learning and data processing in elementary schools (Grades 5 and 6)	Criteria: Activeness and mastery of material	1. Presentation 2. Questions and Answers 3. Discussion 3 X 50		0%
16						0%

Evaluation Percentage Recap: Case Study

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.
- 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.
- 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.