

	Universitas Negeri Surabaya Faculty of Mathematics and Natural Sciences Bachelor of Mathematics Education Study Program					Document Code	
SEMESTER LEARNING PLAN							
Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Geometry	8420203064		T=3	P=0	ECTS=4.77	2	July 17, 2024
AUTHORIZATION	SP Developer		Course Cluster Coordinator			Study Program Coordinator	
			Dr. Endah Budi Rahaju, M.Pd.	
Learning model	Case Studies						
Program Learning Outcomes (PLO)	PLO study program that is charged to the course						
	Program Objectives (PO)						
	PLO-PO Matrix						
		<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">P.O</div>					
Short Course Description	This course examines geometry in an axiomatic deductive system, the concept of plane figures and their elements, the concept of congruence of triangles and related theorems, reasoning and proof and their relationships, the concept of geometric figures and their elements, the concept of congruence of plane figures and related theorems, the concept circles and related theorems, the concept of position of lines and planes, the concept of distance between points, lines and planes, the concept of multiple planes and iris planes through active learning with a deductive approach presented in the form of theory and practice.						
	References	Main :					
1. [1] Susanah dan Hartono. 2014. Geometri , Surabaya: University Press Surabaya [2] Berger,M. 2010. Geometry Revealed , Berlin: Springer Verlag [3] Larson R., Boswell L, and Stiff L, 2004, Geometry , McDougal Littell, Houghton [4] Iswadj, D. 1996. Geometri Ruang , Jakarta: Departemen P&K Dikdas dan Menengah [5] Traverss, J.,et. al. 1987. Geometry , Illinois: Laidlaw Brothers.							
Supporters:							
Supporting lecturer	Dr. Susanah, M.Pd. Rudianto Artiono, S.Pd., M.Si. Dr. Heri Purnomo, M.Pd. Ahmad Wachidul Kohar, S.Pd., M.Pd. Sugi Hartono, M.Pd. Dr. Ali Shodikin, S.Pd., M.Pd. Evangelista Lus Windyana Palupi, S.Pd., M.Sc.						

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

No	Evaluation	Percentage
		0%

Notes

- 1. 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.