

Universitas Negeri Surabaya Faculty of Mathematics and Natural Sciences Undergraduate Mathematics Study Program

Document Code

UNES	NESA STRAGTGRAGAGE WALTER ALL STRAGTGRAGT TO STRAGTGRAGT												
SEMESTER LEARNING PLAN													
Courses			CODE		Course Family		Credit Weight		SE	EMESTER	Compilation Date		
Complex Analysis			442010	03015			T=3	P=0	ECTS=4.7	7	5	July 18, 2024	
AUTHOR	IZATION		SP De	SP Developer			Course Cluster Coordinator			Study Program Coordinator			
								Р	Prof. Dr. Raden Sulaiman, M.Si.				
Learning model													
Program Learning		PLO study program that is charged to the course											
Outcome (PLO)		Program Objectives (PO)											
(PLO)	PLO	PLO-PO Matrix											
		P.O											
	POI	Vlatrix	at the en	d of each lea	rning s	tage ((Sub-	PO)					
			P.O Week										
				1 2 3 4	5	6 7	8	9	10 11	12	13 14	15 16	
Short Course Description Study complex number systems, analytical complex functions, integrals of complex functions sequences and series of complex numbers/functions and their properties through active learning with deductive approach.							lex functions, earning with a						
Reference	ces Mair	Main :											
		 Soemantri, R. 1996. Fungsi Variable Kompleks. Jakarta. Departemen Pendidikan dan Kebudayaan Direktorat Jendral Pendidikan Tinggi Proyek Pembinaan Tenaga Akademik. Ahlfors, L., V. 1966.Complex Analysis. New York. McGraw-Hill Book Company. Gamelin, T.W., 2001. Complex Analysis. New York. Springer-Verlax. Newman, J.B.D.J. 1987. Complex Analysis, Springer 											
	Sup	porter	s:										
Supporting lecturer Prof. Dr. Manuharawati, M.Si.													
Week-	Final abilities each learning stage (Sub-PO	oilities of ach arning age				Help Learning, Learning methods, Student Assignments, [Estimated time] ffline (ffline)		_ n	Learning materials eferences	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.
- 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.
- 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.