

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

Document Code

SEMESTER LEARNING PLAN

						_												
Courses			CODE		Course Family		Credit Weight				!	SEMESTER		Cor Dat	npilat e	ion		
Electromagnetics			45201	520102039			٦	Т=2	P=0	EC	TS=3.	18	8		July	17, 2	024	
AUTHORIZATION			SP Developer				Course Cluster Coordinator					:	Study Program Coordinator					
														Prof. Dr. Munasir, S.Si., M.Si.				
Learning Case Studies																		
Program	ı	PLO study program which is charged to the course																
Learning Outcomes		Program Objectives (PO)																
(PLO)	63	PLO-PO Matrix																
			Γ		P.O													
			L	ſ	.0													
		DO Matri	PO Matrix at the end of each learning stage (Sub-PO)															
		PO Matri	x at	the er	id of each lea	arning	j sta	age (:	Sub	·PO)								
			Г											т				
				P.0	<u> </u>		r –	1		Wee	ek					·		4
					1 2 3 4	45	6	7	8	9	10	11	12	13	14	15	16	
Short Course Description		Boundary condition problems: electrostatic problems; microscopic theory of dielectric materials: molecular electric fields, polar molecules, permanent electric polarization; dispersive medium: linearity and casuality, frequency response and dispersion relationships; electromagnetic radiation: radiation by dipole oscillations, radiation by group motion of charges; electrodynamics: Lineart-Wiechart potential; presentation of scientific papers.																
References		Main :																
		1 D	avid	.1 Gri	iffiths 1999	Introd	uctio	on to	Fle	ctrod	vnan	nics	seco	nd er	lition	Prer	ntice	Hall
		 David J Griffiths. 1999. Introduction to Electrodynamics. second edition. Prentice Hall International. Reitz, J.R. et al. 1993. Foundation of Electromagnetic Theory. fourth edition. Addison Wesley. 																
		Supporters:																
Currentian Dich Hori Kupumpurati S Si M Si																		
Supporting lecturerDiah Hari Kusumawati, S.Si., M.Si. Abd. Kholiq, S.Pd., M.T.																		
Week-	Final abilities of each learning stage (Sub-PO)			Evaluation				Help Learning, Learning methods, Student Assignments, [Estimated time]						Learning materials		Assessment		
			Inc	licator		Offlii (offlii)	(References]		We	Weight (%)				
(1)	(2)			(3)	(4))		(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.