

Universitas Negeri Surabaya Faculty of Engineering , Electrical Engineering Education Undergraduate Study Program

Document Code

(7)

(8)

ONES		1.109.4										
	SEMESTER LEARNING PLAN											
Courses		CODE		Course Family		Credit Weight		SEMESTER	Compilation Date			
Electromagnetic Control Practical		8320102128				T=2 P=0 ECTS=3.18		6	July 18, 2024			
AUTHORIZATION		TION		SP Developer			Course Cluster Coordinator			Coordinator	Study Program Coordinator	
									Dr. Nur Kholis, S.T., M.T.			
Learning model	earning nodel Project Based Learning											
Program Learning Outcomes (PLO)		PLO study program that is charged to the course										
	es	Program Objectives (PO)										
()		PLO-PO Matrix										
		P.O										
		PO Matrix at the end of each learning stage (Sub-PO)										
			P	P.O	T	_ _ _	1 -	Wee		T T		
				1 2	3 4	5 6 7	8	9	10	11 12	13 14	15 16
Short Course Descript	tion	Application and u electrical system production machi	s, und	derstand the	sequence of	ts in the fiel operations	d of inc and u	dustria nderst	l auto and l	mation. Unde (3 policies a	rstand working nd procedures	diagrams and for operating
Referen	ces	Main :										
	'	1. Stephe <i>Tim. 20</i>	ohen L Herman. 2010. Electric Motor Control. Delmar, USA Tim. 2013. 2013. Modul Praktikum Pengaturan Elektromagnetik . Unesa.									
		Supporters:										
Supporting lecturer		Dr. Tri Rijanto, M.Pd., M.T. Prof. Dr. Joko, M.Pd., M.T. Ibrohim, S.T., M.T. Mahendra Widyartono, S.T., M.T.										
Week- ead		inal abilities of ach learning tage Sub-PO)		Evalu		Student Assignments, n [Estimated time]			Learning materials [References	Assessment Weight (%)		
	ndicator			Criteria & F		ine (0	nline	(online)]		

(3)

(1)

(2)

1	Students are able to work according to the rules by paying attention to K3 and using equipment according to its function	1.Understand general laboratory rules. 2.Understand K3 guidelines. 3.Understand the correct use of laboratory equipment.	Lectures, discussions 2 X 50		0%
2	Students are able to design and create a series of electromagnetic switch working settings using push buttons and switches for several operating systems.	Assembling a series of working settings for electromagnetic switches using push buttons and switches for several operating systems.	MPL 2 X 50		0%
3	Students are able to design and create a series of electromagnetic switch work settings for temporary work and continuous work using a push button.	Assemble a series of electromagnetic switch work settings for temporary work and continuous work using a push button.	2 X 50		0%
4	Students are able to design and create a series of electromagnetic switch work settings for temporary work and continuous work using a push button.	Assemble a series of electromagnetic switch work settings for temporary work and continuous work using a push button.	2 X 50		0%
5	Students are able to design and create a series of electromagnetic switch work settings for sequential work	Assembling a series of electromagnetic switch work settings for sequential work.	2 X 50		0%
6	Students are able to design and create a series of electromagnetic switch work settings for sequential work	Assembling a series of electromagnetic switch work settings for sequential work.	2 X 50		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.
- 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.
- 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.