

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

Document Code

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			SEMI	ESTER I	LEAF	RNIN	G P	LAN			
Courses			CODE		Course Family	Cree	dit We	ight	SEMESTER	Compilation Date	
Transfor	mer I	Practicum	83201	02134		T=2	P=0	ECTS=3.18	3	July 18, 2024	
AUTHOR	RIZAT	TON	SP De	veloper		Course (Coordina		r	Study Progra Coordinator	am	
									Dr. Nur Kho	lis, S.T., M.T.	
Learning model	J	Case Studies	·								
Progran Learnin		PLO study program that is charged to the course									
Outcom		Program Objectives (PO)									
(PLO)		PLO-PO Matrix									
			F	2.0							
		PO Matrix at the end of each learning stage (Sub-PO)									
			P.O	1 2 3 4	5 6	7 8	Wee	ek 10 11 1	2 13 14	15 16	
Short Course Descrip	tion	Definition, workir work on 1 phase	ng principles transforme	s, transformer p rs and 3 phase	arts and transforn	their fund ners	ctions,	testing transfo	ormer characte	ristics, parallel	
References		Main :									
		1. Joko, 2014. Modul transformator									
		Supporters:									
Support lecturer		Prof. Dr. Joko, M	.Pd., M.T.								
Week-	Final abilities of each learning stage (Sub-PO)		E ¹ Indicator	Evaluation		Help Learning, Learning methods, Student Assignments, [Estimated time] Offline Online (online)		Learning materials [References	Assessment Weight (%)		
					offi)	ine			J		
(1)		(2)	(3)	(4)	(5	5)		(6)	(7)	(8)	

1	Describe the meaning of a single phase transformer Describe the working principle of a single phase transformer Mention the parts of a single phase transformer		2 X 50		0%
2	. Calculating losses, efficiency and voltage regulation of a single phase transformer		2 X 50		0%
3	. Calculating losses, efficiency and voltage regulation of a single phase transformer		2 X 50		0%
4	Testing the characteristics of a single phase transformer		2 X 50		0%
5	Testing the characteristics of a single phase transformer		2 X 50		0%
6	Testing the characteristics of a single phase transformer		2 X 50		0%
7	Carrying out single phase transformer line work		2 X 50		0%
8	Carrying out single phase transformer line work		2 X 50		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

- 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.