

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

Document Code

SEMESTER LEARNING PLAN																			
Courses			COD	E			Cours Family		Cı	red	it We	ight		\$	SEME	STER	Con		tion
Electric Power System Protection			2020102407						T=	=2	P=0	EC	TS=3.	18	5		July	18, 2	2024
AUTHORIZAT	ION		SP D	evelop	oer				ourse		luste tor	r		9	Study Coord	Progr inator	am		
															Dr. I	_usia F S.T.	Rakhr , M.T		ati,
Learning model	Case St	udies																	
Program Learning	PLO stu	udy p	rogra	ım tha	t is ch	narg	ed to	the	cou	rse	:								
Outcomes (PLO)	Progran	n Ob	jectiv	es (Po	D)														
(PLO)	PLO-PC) Mat	rix																
				P.O															
	PO Mat	rix at	the e	end of	each	lear	ning	stag	e (S	ub-	-PO)								
			P.O								Wee	ek							
				1 2	2 3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Short Course Description	This courationale backup static an use of lincluding configura Relays, Breakers Protectic systems configura configura configura	e, under protect d mee Distar g, wor ation, inclu- s, inclu- s, inclu- s, inclu- on, in on wo Dist	erstand ction of chanic nce Roking pl use of des, vudes t cludes ork systributio & wor	ding ar of Prote al relay elay, ii rinciple f Powe working ypes o s type stem, on Net	nd function	tion Rela ercui g, v con , inc siples s, pro aults Prot	of pro ays, in- rrent F vorking figurat cludes s, typ otection ypes tection	tectic cludii Relay g pri iion, wor es, on de tectic of di , in	on, ty ng the s, un nciple use of king confi- vices on d sturb cludii	rpes ne (nde) e, f of V pri) gur s, c levi ng	s of d defini rstand type, /oltag nciple ations config ces, ces,	isturlition, ding, con e Res, ty s, us con con tes, ty protes o	pánces functi worki figuratelay, in pes, c ses o on & v figuratection f dist	s and on a ng pricion, cludi onfig f Ge vorkii devi urbai	I their nd reconciled the concile to	prever quirem e, type of Diffe orking ns, use or Pro stems ansmis configu prote	ntion, ents , conf erenti- princi e of D tection of Tra ssion iration	main of re igura al Ri ple, t pirect on C ansfo Net dev	and lays, ation, elay, type, ional ircuit rmer work work ices,
References	Main :																		
	2. 3. 4. 5. 6. 7.	Edy S Info E http:// yang- Indon Kelist Lewis	Supriya Inergi. Infoen selalu- esian rikan d Black	Prévé. adi, 2007. 2007. ergi.wo -tertuno Comm di Indor kburn &	00. Sist Interko ordpres da/ ercial N nesia. h	em I neks ss.co News http:/	Protek si Sum om/200 sletter. //www.	si Te natera 07/04 2008 data	enaga a-Jav /05/ii 8. Ma con.c	a Li: va, ntei arke co.i	strik. Inves rkone et Inte d/List	Yogy stasi ksi-s ellige rik20	/akarta Strate sumate nce R 108Ind	a: Ad gis y era-ja eport .html	i Cita. ang Se wa-in\ : On In	elalu T /estasi dustri	-strat	egis-	
	Support	ters:																	

Support lecturer	orting Dr. Ir. Achmad Imam Agung, M.Pd.								
Week-	Final abilities of each		Ev	/aluation	Le Stu [Help Learning, earning methods, dent Assignments, Estimated time]	Learning materials	Assessment	
Week-	lear stag (Sul	ning je b-PO)	Indicator	Criteria & Form	Offline (offline)	Online (<i>online</i>)	References	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: 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.
- 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.
- Forms of assessment: test and non-test.
 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.