

Universitas Negeri Surabaya Faculty of Postgraduate School, Master of Technology and Vocational Education Study Program

Document Code

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Courses			CODE	=	Cour		Cred	lit We	ight		SEMES1	ER	Cor	mpilati e	on
Energy c	onver	tion	83101	L03011			T=3	P=0	ECTS=6.	72	2		July	/ 18, 20)24
AUTHOR	IZATI	ON	SP De	eveloper			ırse C ordina	luste	r			udy Program pordinator			
												Achmad Imam gung, M.Pd.			
Learning model		Case Stud	dies			•									
Program		PLO stud	ly progra	m that is cha	rged t	to the c	ourse	Э							
Learning Outcome		Program	Objective	es (PO)											
(PLO)		PLO-PO	Matrix												
				P.O											
		PO Matri	x at the e	nd of each le	arninç	g stage	(Sub	-PO)							
			P.O					Wee	k .						
				1 2 3	4 5	6 7	8	9	10 11	12	13	14	15	16	
Short Course Descript	tion	one form o case, bas needed as energy, wa	of energy thic courses support states	s course in Me nat exists in the such as: hea so that this en y, geothermal e ergy that huma	e world It trans ergy co energy,	l into and sfer, fluid onversio ocean	other f d med n mat energy	orm the chanicaterial of y (way	nat is more s, thermod can be ma ves, ocean	ber lyna ster cur	neficial fo mics and ed well. s rents, se	r hun d ma Solar	nán ithen r ene	life. In t natics a ergy, w	this are ind
Reference	ces	Main :													
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Supporti lecturer			I. Muchlas, r. I Wayan :	M.Pd. Susila, M.T.											
Week-	Fina abili each	ties of	E	Evaluation		Stu	earnin dent / Estin	Assigi nated	thods, nments, time]		Learnii materia		Assessment		
VVCCN*	learr stag (Sub		Indicator	Criteria & F		Offline (offline	0	nline	(online)		Referen	ces	W	eight (^c	%)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
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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.
- 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.

- 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%.
 TM=Face to face, PT=Structured assignments, BM=Independent study.