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

Document Code

				SEM	ESTER	LEAF	RNIN	IG P	LA	N				
Courses			CODE Cours		Course F	Family Cre		redit Weight		SEM	ESTER	Compil Date	ation	
History of Physics			8420302183			T=2 P=0 ECTS=3.18		.8	4	July 17,	2024			
AUTHORIZATION			SP Developer		Cour	Course Cluster Coordinator				Study Program Coordinator				
										Mit	Mita Anggaryani, M.Pd., Ph.D.			
Learning model		Case Studies	•				•				•			
Program		PLO study program that is charged to the course												
Learning		Program Objectives (PO)												
(PLO)		PLO-PO Matrix												
P.O														
		PO Matrix at	the e	end of each learning stage (Sub-PO)										
			F	P.O				Wee	k					
				1	2 3 4	5 6	7 8	9	10	11 12	2 13	14	15 16	;
Short Course Descript	tion	The scope of Classical Physicontribution of	ecture sics a f a so	es includes I nd Modern ociety to the	elopment of ph Physics in Bab Physics, literal development ments, present	ylonia and ture on top of physics	Ancient ics rela	Egypt, ted to th riting do	Physic ne dev	s in Ancie elopment	ent Gree of an a	ce, the E spect of	Developm physics	nent of or the
Referen	ces	Main :												
		2. Floria 3. Isaac	n Cajo Asimo ay RA	ori.1962. A F ov.1984. Th	ejarah Fisika .\$ History of Phys e History of Ph sics for Scienti	ics .New Y ysics .New	ork:Dov York:W	er Publi /alker P	cation: ublishi	s. ng Inc.	Philadelp	bhia: Sai	unders G	olden
		Supporters:												
Support lecturer		Dr. Dwikoranto Setyo Admoko Abu Zainuddir Prof. Nadi Suţ Mukhayyarotir Utama Alan D	o, S.Po n, S.Po prapto n Nisw	d., M.Pd. d., M.Pd. , S.Pd., M.P /ati Rodliyat	ul Jauhariyah,	S.Pd., M.P	d.							
Week-	of e lear	al abilities ach ning stage		Eval	uation		Lea Stude	elp Lea rning m ent Ass stimate	nethod ignme	ls, nts,	ma	arning terials [erences	Assess Weigh	
(Sı	(Su	(Sub-PO)		dicator	Criteria & Fe		line (line)	On	line (online)]		

1	Understand the description and syllabi of the History of Physics course	Able to analyze the history of physics curriculum · Describe the characteristics of scientific attitude	Discussion Ouestions and Answers Assignment 2 X 50		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.
- 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.
- 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.