## SEMESTER LEARNING ACTIVITY PLANS (SLAP)

## **SEMESTER EVEN 2022/2023**



Physics Undergraduate Study Program
Physics Department
Practical work
/ 2 Credits

Lecturer Coordinator:

UNIVERSITAS GADJAH MADA
FACULTY OF MATHEMATICS AND NATURAL SCIENCE
2022



Universitas Gadjah Mada
Faculty of Mathematics and Natural Science
Physics Department / Physics Undergraduate Study Program
Semester EVEN 2022/2023

Document Number :
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	Semester E	VEN 2022/2023							
	SE	EMESTER LEA	RNIN	G ACTIVITY	Y PLANS (SLA	<b>P</b> )			
Code	Course Name	Credits (Credit	ts)	Semester	Status	Pı	erequisite		
	Practical work	T: 2	<i>P:</i>	EVEN	Elective		None		
Short Description									
	PLO 2	Knowledge. Able to explain theoretical concepts and principles of classical and modern physics and able to apply basic concepts of physics and related mathematical methods in finding solutions to physical problems.							
Program Learning Outcomes	PLO 4	Special Skills. Able to design and carry out experiments/theoretical reviews, able to identify a physical problem based on the results of observations and experiments, and able to operate related technologies.							
(PLO) Imposed on the Course	PLO 5	Long Life Learning. Able to analyze various alternative solutions to physical problems and conclude them for appropriate decision-making, both in familiar and new problems.							
	After completing this course, students are expected to be able to:								
	CO1								
	CO2								
	CO3								
	CO5	<del> </del>							
Course	CO6								
Outcomes (CO)									
	CO9								
	CO10								
	CO11								
	CO12								
	CO13								
		Learnin	ng Mat	erials	Learning M	<b>Iethods</b>	Time Allocation		
The Correlation							2X50 minutes		
of CO to							2X50 minutes		
Learning							2X50 minutes		
Materials and							2X50 minutes		
Methods, and							2X50 minutes		
Time Allocation							2X50 minutes		
							2X50 minutes		

	Midterm exam/Project Task Results/Case Analysis Results								
								2X50 m	inutes
								2X50 m	inutes
								2X50 m	
								2X50 m	
								2X50 m	inutes
								2X50 m	inutes
								2X50 m	inutes
		Final exan	ns/ Project Task R	esults/C	ase Ana	lysis Re	sults		
Learning Methods									
Student Learning Experience									
Access to Learning Media/ LMS and Offline and Online Percentage									
	Assessment	Assessment	Criteria/	CO1	CO2	CO3	CO4	CO5	CO6
	Methods	Percentage	Indicators	COI	CO2	CO3	CO4	CO3	COU
	Participatory								
	Activity*								
	Project Results/ Case								
	Study Results/								
Assessment	PBL Results*								
Methods and	Cognitive								
Synchronizatio	Assignment	15		<b>\</b>	<b>√</b>	T \(	√ √	<b>T</b> √	√
n with CO	Quiz	15		\ \ \	\ \ \	- V	- V	\ \ \	<b>V</b>
	Midterm	35							
	Exam	35							
	Final Exam	35							
	Total	100							
	*) can also be ob	tained from the N	Midterm or Final Exo IKU 7, the percen						
References	Main Reference 1 2 3 4 5 6  Additional Reference								
	Additional Ne	ci ciices.							

	1. 2. 3. 4.			
Lecturers (Team Teaching)	1. 2. 3. 4.			
	Date of Drafting	Lecturer Coordinator	Head of Curriculum Committee	Head of Study Program
Authorization				Dr. Eng. Ahmad Kusumaatmaja, S.Si., M.Sc.