

**SEMESTER LEARNING ACTIVITY PLANS
(SLAP)
SEMESTER ODD/EVEN 2022/2023**



Physics Undergraduate Study Program

Physics Department

Final Project A**)

MFF 4011/ 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 ODD/EVEN 2022/2023

Document Number :

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SEMESTER LEARNING ACTIVITY PLANS (SLAP)

Code	Course Name	Credits (Credits)		Semester	Status	Prerequisite
<i>MFF 4011</i>	<i>Final Project A**</i>	<i>T: 2</i>	<i>P: ...</i>	<i>ODD/EVEN</i>	<i>Compulsory</i>	<i>Research Methodology and Scientific Speaking** (MFF2060), Minimum 100 Credits</i>
Short Description						
Program Learning Outcomes (PLO) Imposed on the Course	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.				
	PLO 3	General Skills. Able to communicate the results of problem studies and physical behavior both in writing and verbally, as well as being able to lead and collaborate at various levels of roles in a team.				
	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.				
		.				
Course Outcomes (CO)	After completing this course, students are expected to be able to:					
	CO1					
	CO2					
	CO3					
	CO4					
	CO5					
	CO6					
	CO7					
	CO8					
	CO9					
	CO10					
	CO11					
	CO12					
	CO13					
The Correlation of CO to Learning Materials and Methods, and Time Allocation		Learning Materials		Learning Methods		Time Allocation
						<i>2X50 minutes</i>
						<i>2X50 minutes</i>
						<i>2X50 minutes</i>
						<i>2X50 minutes</i>

										<i>2X50 minutes</i>
										<i>2X50 minutes</i>
	Midterm exam/Project Task Results/Case Analysis Results									
										<i>2X50 minutes</i>
										<i>2X50 minutes</i>
										<i>2X50 minutes</i>
										<i>2X50 minutes</i>
										<i>2X50 minutes</i>
										<i>2X50 minutes</i>
										<i>2X50 minutes</i>
	Final exams/ Project Task Results/Case Analysis Results									
Learning Methods										
Student Learning Experience										
Access to Learning Media/ LMS and Offline and Online Percentage										
Assessment Methods and Synchronization with CO	Assessment Methods	Assessment Percentage	Criteria/ Indicators	CO1	CO2	CO3	CO4	CO5	CO6	
	Participatory Activity*									
	Project Results/ Case Study Results/ PBL Results*									
	Cognitive									
	Assignment	15		√	√	√	√	√	√	√
	Quiz	15								
	Midterm Exam	35								
	Final Exam	35								
	Total	100								
	*) can also be obtained from the Midterm or Final Exam as the result of participatory activities or project/ case study results. According to IKU 7, the percentage of project results/ case study/ PBL results is at least 50%.									

References	Main References; 1. . 2. . 3. . 4. . 5. . 6. . Additional References: 1. 2. 3. 4.			
Lecturers (Team Teaching)	1. 2. 3. 4.			
Authorization	Date of Drafting	Lecturer Coordinator	Head of Curriculum Committee	Head of Study Program
				<i>Dr. Eng. Ahmad Kusumaatmaja, S.Si., M.Sc.</i>