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



Physics Undergraduate Study Program Physics Department Final Project B**) MFF 4011/ 4 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				
MFF 4011	Final Project B**)	<i>T: 4 P:</i>	ODD/EVEN	Compulsory	Research Methodology and Scientific Speaking**) (MFF2060), Final Project A (MFF4011*), Minimum 100 Credits				
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	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.							
Outcomes (PLO) Imposed on the Course	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 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 compl	eting this course, stud	lents are expected	d to be able to:					
	After completing this course, students are expected to be able to: CO1								
	<u>CO2</u>								
	СОЗ								
	<i>CO4</i>								
	CO5								
Course	CO6								
Outcomes (CO)	<i>C07</i>								
	<i>CO8</i>								
	<i>C09</i>								
	<i>CO10</i>								
	C011								
	C012								
	<i>CO13</i>								
The Correlation		Learning M	Iaterials	Learning M	ethods Time Allocation				
of CO to					4ASU minutes				
of CO to Learning					4X50 minutes 4X50 minutes				

Methods, and								4X50 m	inutes	
Time Allocation								4X50 m	inutes	
								4X50 m	inutes	
								4X50 m		
	Midterm exam/Project Task Results/Case Analysis Results									
						v		4X50 m	inutes	
							4X50 minutes			
							4X50 minutes			
						4X50 minutes				
								4X50 m	inutes	
								4X50 m	inutes	
								4X50 m	inutes	
	Final exams/ Project Task Results/Case Analysis Results									
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	02	0.05	04	005		
	Participatory Activity*									
	Project									
	Results/ Case									
	Study Results/									
Assessment	PBL Results*									
Methods and Synchronizatio	Cognitive									
Synchronizatio n with CO	Assignment	15		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	
	Quiz	15				_				
	Midterm	35								
	Exam					_				
	Final Exam	35								
	Total	100								
			fidterm or Final E IKU 7, the perce							

References	Main Referent 1. . 2. . 3. . 4. . 5. . 6. . Additional R 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
				Dr. Eng. Ahmad Kusumaatmaja, S.Si., M.Sc.