

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



Physics Undergraduate Study Program

Physics Department

Science and Religion

MFF 3002/ 2 Credits

Lecturer Coordinator:

Drs. Sunarta, MS.

Drs. Sunarta, MS.

Dr. Moh. Ali Joko

**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
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Document Number :

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SEMESTER LEARNING ACTIVITY PLANS (SLAP)

Code	Course Name	Credits (Credits)		Semester	Status	Prerequisite
<i>MFF 3002</i>	<i>Science and Religion</i>	<i>T: 2</i>	<i>P: ...</i>	<i>EVEN</i>	<i>Elective</i>	<i>None</i>
Short Description	Know and understand the position and role of science in religion and religion as a source of inspiration for science.					
Program Learning Outcomes (PLO) Imposed on the Course	<i>PLO 1</i>	<i>Attitude.</i> Have faith and fear of God Almighty, and apply good morals, ethics, initiative, and responsibility in completing their duties.				
Course Outcomes (CO)	After completing this course, students are expected to be able to:					
	<i>CO1</i>	Knowing and Understanding the position and role of Science in Religion and Religion as a source of inspiration for Science.				
	<i>CO2</i>	Knowing and Understanding the science of Inheritance				
	<i>CO3</i>	Knowing and understanding the separation between religion and science				
	<i>CO4</i>	Knowing and understanding the formation of human characters with spiritual-based science Religion Scientific miracles in humans, animals, plants, and the universe.				
	<i>CO5</i>	Knowing and understanding the concurrency of science with Divine knowledge (Religion) to obtain happiness, salvation, and human glory.				
	<i>CO6</i>	Knowing and understanding the contribution of science and technology to the solution of human problems, concepts, and recipes for human success and glory				
The Correlation of CO to Learning Materials and Methods, and Time Allocation	Learning Materials		Learning Methods		Time Allocation	
	<i>CO 1</i>	The position and role of science in religion	TCL-SCL mixed		<i>2X50 minutes</i>	
	<i>CO 2</i>	Inheritance mathematical analysis	TCL-SCL mixed		<i>2X50 minutes</i>	
	<i>CO 2</i>	Muslim family Property Management	TCL-SCL mixed		<i>2X50 minutes</i>	
	<i>CO 2</i>	Calculating inheritance with heir chart	TCL-SCL mixed		<i>2X50 minutes</i>	
	<i>CO 2</i>	The method of dividing the inheritance if the number of inheritances is reduced	TCL-SCL mixed		<i>2X50 minutes</i>	
	<i>CO 2</i>	The method of dividing inheritance when the amount of inheritance is excessive	TCL-SCL mixed		<i>2X50 minutes</i>	
	<i>CO 2</i>	Calculating the wealth of a Muslim family	TCL-SCL mixed		<i>2X50 minutes</i>	
	Midterm exam/Project Task Results/Case Analysis Results					

	CO 3	Misunderstanding, the dichotomy between RELIGION and science and technology	TCL-SCL mixed						<i>2X50 minutes</i>	
	CO 4	Efforts to know the pattern of creation of the Creator of all things	TCL-SCL mixed						<i>2X50 minutes</i>	
	CO 5	Human nature wants to be successful, happy, and safe forever, and how to get it.	TCL-SCL mixed						<i>2X50 minutes</i>	
	CO 5	Al-Qur'an is the absolute truth as a source of scientific inspiration.	TCL-SCL mixed						<i>2X50 minutes</i>	
	CO 6	Digital IMTAQ-based Saintek.	TCL-SCL mixed						<i>2X50 minutes</i>	
	CO 6	Hijrah, movement is the principle of everything to progress and develop.	TCL-SCL mixed						<i>4X50 minutes</i>	
Final exams/ Project Task Results/Case Analysis Results										
Learning Methods	SCL (Student Centered Learning): Project-based learning (Team-based Project)/Case-based learning/PBL/other SCL methods									
Student Learning Experience	Listen, ask, answer questions and discuss									
Access to Learning Media/ LMS and Offline and Online Percentage	Offline (LCD, PPT Slide, Whiteboard, Laptop) and Online (Zoom Meeting, Google Meet, Google Classroom)									
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	<p>Main References;</p> <ol style="list-style-type: none"> 1. Teologi Filsafat sains, Purwadi, A., UMM-Press, Malang, 2002.. 2. Lima Masalah Terbesar SAINS yang belum terpecahkan, Wiggins, A.W., & Wynn, C. M., PT Intan Sejati, 2004.,. 3. AL-Qur'an Ilmu pengetahuan & Teknologi, Baiquni A., PT Dana Bhakti Prima Jasa, 1994. BO71. 4. Sains dalam Alqur'an, mengerti mukjizat ilmiah Firman Allah, Thayyarah N., ZAMAN, 2013.,. 5. Ayat ayat Kosmos dalam Alqur'an, ElNaggar Z., Shorouk International Bookshop, 2010., . 6. Ayat ayat Semesta, Purwanto A., Mizan, 2008.,. <p>Additional References:</p> <ol style="list-style-type: none"> 1. Keajaiban tubuh manusia, Tilong A. D., DIVA Press, 2012. 			
Lecturers (Team Teaching)	<ol style="list-style-type: none"> 1. Drs. Sunarta, MS. 2. Dr. Moh. Ali Joko 			
Authorization	Date of Drafting	Lecturer Coordinator	Head of Curriculum Committee	Head of Study Program
		<i>Drs. Sunarta, MS. Drs. Sunarta, MS.</i>		<i>Dr. Eng. Ahmad Kusumaatmaja, S.Si., M.Sc.</i>