PROGRAM PLAN AND SEMESTER LEARNING ACTIVITIES (RPKPS) SCHOOL YEAR 2021/2022



Geophysics Philosophy of Physics MFF 1015/ 2 credits

Mentoring Team:

Dr. Arief Hermanto

UNIVERSITAS GADJAH MADA FACULTY OF MATHEMATICS AND NATURAL SCIENCES 2021

	Gadjah M Faculty of M Department Program Ac	Document Code:								
SEMESTER LEARNING PROGRAM AND ACTIVITY PLAN (RPKPS)										
Course Code	Course Name	Weight (credit)		Semester	Course Status	Prerequisite Courses				
MFF 1015	Philoso phy of	<i>T: 2</i>	<i>P</i> :	Odd	Choice	-				
Course Brief Description	This course is not technically mathematical, but verbally analytically logical. Learning is carried out face- to-face and giving literature study assignments (and then presenting them) to students. Assessment is given in a balanced manner between midterm exams, end-of-term exams and assignments.									
Graduate Learning Outcomes (CPL) Charged n in MK	CPL-2	Master, physics, other so informa	y of g , cher cienc ation t	general knowledge: Graduates are a nistry, biology, geology), and geophy es such as geology, geodesy, geodesy, geoechnology.	ble to apply basic scients sics in general and thei ochemistry, geography	nce (mathematics, r relationship with , computing and				
Course	After completing the learning of this course, students are expected to be able to:									
Learning Outcomes (CPMK)	СРМК-1	Students can express both orally and in writing various topics that are quite in-depth in the theory of relativity, quantum theory and the fundamental differences between them based on the study of literature, not by mathematical equations but by the qualitative power of analytical-logical verbal expressions								
CPL Mapping with CPMK		CPL-1								
The Relationship of CPMK with Learning Materials	СРМК]	Learning Materials	Forms of Learni	ng Time Allocation				
	CPMK-1	logic			TCL - SCL mixe	d 2 Hours				
	СРМК-1	logic			TCL - SCL mixe	d 2 Hours				
	СРМК-1	logic			TCL - SCL mixe	d 2 Hours				
and Forms,	СРМК-1	Relativit	ty		TCL - SCL mixe	d 2 Hours				
Time	СРМК-1	Relativit	ty		TCL - SCL mixe	d 2 Hours				
Allocation	СРМК-1	Relativit	ty		TCL - SCL mixe	d 2 Hours				
	СРМК-1	Logic ar	nd rel	ativity						
	UTS/Projec	t Task R	esult	Case Analysis Results						
	CPMK-1	Quantur	m		TCL - SCL mixe	d 2 Hours				
	CPMK-1	Quantur	m		TCL - SCL mixe	d 2 Hours				
	CPMK-1	Quantur	m		TCL - SCL mixe	d 2 Hours				

	CPMK_1	Comparison of au	antum and relativity	T	TCL - SCL mixed	2 Hours			
	CPMK-1	Comparison of qua	antum and relativity	7	TCL - SCL mixed	2 Hours			
	CPMK-1	Comparison of qua	antum and relativity	7	TCL - SCL mixed	2 Hours			
	CPMK-1	Quantum and quantu	um-relativity compar	son	TCL - SCL mixed	2 Hours			
		UAS/ Project Task Posults/ Case Analysis							
Learning	TCL - SCL 1	UAS/ FIGECL TASK RESULS/ Case Allarysis							
Methods	ICL - SCL IIIXCU								
Student	Study, discussion, Q&A								
Learning									
Experience	Slides and reference healts								
Learning	Slides and reference books								
Media an/									
LMS									
and Offline									
&; Online									
rercentage									
Assessment	Assessment	Assessment	Criteria/		CPMK-1				
Methods	Techniques	Percentage	Indicators						
Alignment	Activities*)								
with CPMK									
	Project								
	Results /								
	Results / Case Study / PBL								
	Results / Case Study / PBL Results *)								
	Results / Case Study / PBL Results *)								
	Results / Case Study / PBL Results *) Cognitive Assignment	30	Task grades						
	Results / Case Study / PBL Results *) Cognitive Assignment Quiz	30	Task grades						
	Results / Case Study / PBL Results *) Cognitive Assignment Quiz UTS	30	Task grades UTS scores						
	Results / Case Study / PBL Results *) Cognitive Assignment Quiz UTS UAS Total	30 30 40	Task grades UTS scores UAS value						
	Results / Case Study / PBL Results *) Cognitive Assignment Quiz UTS UAS Total *) can also	30 30 40 100 be obtained from U	Task grades UTS scores UAS value TS or UAS which i	s the result of part	icipatory activities or	nroject / case			
	Results / Case Study / PBL Results *) Cognitive Assignment Quiz UTS UAS Total *) can also study resu	30 30 40 100 be obtained from U lts. In accordance	Task grades UTS scores UAS value TS or UAS which i with IKU 7, the	s the result of part	icipatory activities or	<i>project /</i> case s and project			
	Results / Case Study / PBL Results *) Cognitive Assignment Quiz UTS UAS Total *) can also study resu results/case	30 30 40 100 be obtained from U' lts. In accordance e studies/PBL result	Task grades UTS scores UAS value TS or UAS which i with IKU 7, the s is at least 50%.	s the result of part percentage of p	icipatory activities or participatory activities	<i>project</i> / case s and project			
Reference	Results / Case Study / PBL Results *) Cognitive Assignment Quiz UTS UAS Total *) can also study resu results/case 1. Ladyman	30 30 40 100 be obtained from U lts. In accordance e studies/PBL result J, 2002, Understan	Task grades UTS scores UAS value TS or UAS which i with IKU 7, the s is at least 50%. ding Philosophy of	s the result of part percentage of p	cicipatory activities or participatory activities ge, London.	<i>project</i> / case s and project			
Reference List	Results / Case Study / PBL Results *) Cognitive Assignment Quiz UTS UAS Total *) can also study resu results/case 1. Ladyman 2. G Holton	30 30 40 100 be obtained from U' lts. In accordance e studies/PBL result J, 2002, Understan and S G Brush, 200	Task grades UTS scores UAS value TS or UAS which i with IKU 7, the is is at least 50%. ding Philosophy of 05, Physics, The Hu	s the result of part percentage of p Science, Routledg uman Adventure, I	icipatory activities or participatory activities ge, London. Rutgers Univ Press, U	project / case and project SA.			
Reference List	Results / Case Study / PBL Results *) Cognitive Assignment Quiz UTS UAS Total *) can also study resu results/case 1. Ladyman 2. G Holton 3. A Herma	30 30 40 100 be obtained from U lts. In accordance e studies/PBL result J, 2002, Understan and S G Brush, 200 nto, 2012, Teaching	Task grades UTS scores UAS value TS or UAS which i with IKU 7, the is is at least 50%. ding Philosophy of 05, Physics, The Hu Material for Philos	s the result of part percentage of p Science, Routledguman Adventure, F ophy of Physics, F	cicipatory activities or participatory activities ge, London. Rutgers Univ Press, Ua MIPA-UGM	<i>project</i> / case and project SA.			
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Name of Lecturer (<i>Team</i> <i>Teaching</i>)	Dr. Arief Her	rmanto, SU.		
Authorization	Drafting Date	Course Coordinator	Coordinator of Expertise (if applicable)	Head of Study Program
	2020			Dr Sudarmaji,MSi