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

Geophysics

Scientific Writing and Presentation

MFG 3101/ 2 credits

Mentoring Team:

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UNIVERSITAS GADJAH MADA FACULTY OF MATHEMATICS AND NATURAL SCIENCES

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	Gadjah Mada University Faculty of Mathematics and Natural Sciences Department of Physics / S1 Geophysics Study Program Academic Year 2021/2022	**Document Code:** .....

SEMESTER LEARNING PROGRAM AND ACTIVITY PLAN (RPKPS)

Course Code	Course Name	Weight (credit)		Semester	Course Status	Prerequisite Courses
MFG 3101	*Scientific Writing and Presentation*	*T: 2*	*P: -*	*Odd*	*Choice*	*Minimum 45 credits*

Course Brief Description	This course equips students on: a) scientific writing format (proposal, thesis, scientific article); b) The detailed format of the structure of scientific writing; c) Formal written communication; d) ethics in scientific writing; e) practice in making scientific writings; f) the type and format of scientific writing; g) techniques and ethics in scientific presentation; h) Practice making and conducting clear scientific presentations.	
Graduate Learning Outcomes (CPL) Charged to MK	***CPL-1***	**Good Attitude:** Graduates are honest, disciplined, curious, critical, confident, independent, emotionally mature, cooperative, and trustworthy. Uphold norms, values, morals, religion, general ethics and professional ethics, and actively play a role in the global movement of sustainable development and behave professionally
	CPL-2	**Mastery of general knowledge:** Graduates are able to apply basic science (mathematics, physics, chemistry, biology, geology), and geophysics in general and their relationship with other sciences such as geology, geodesy, geochemistry, geography, computing and information technology.
	CPL-3	**Operational and comprehensive skills**: Graduates are able to apply all geophysical methods (seismic, gravitational, magnetic, electrical, electromagnetic, and thermic methods) for energy exploration (e.g. oil and gas, coal, geothermal), mining materials (eg: iron, copper, gold, silver, tin) as well as groundwater and disaster mitigation.
	CPL-6	**Managerial skills and self-development**: Graduates are able to update their competencies, namely by life-long learning in line with the latest geophysical conditions to compete nationally and internationally by upholding UGM values (Pancasila: Divinity, Humanity, Unity, Peoplehood, Justice, and Science: universality, objectivity, freedom, respect for reality and truth)
Course Learning Outcomes (CPMK)	**After completing the learning of this course, students are expected to be able to:**	
	CPMK-1	Students are able to make scientific presentations according to rules. [CPL-1, CPL-2, CPL-3, CPL-6]
	CPMK-2	Students are able to make scientific writings according to standard language rules. [CPL-1, CPL-2, CPL-3, CPL-6]
CPL mapping with CPMK		

	CPMK1	CPMK2
CPL-1		
CPL-2		
CPL-3		
CPL-6		

The Relationship of CPMK with Learning Materials and Forms, as well as Time Allocation		**Learning Materials**	**Forms of Learning**	**Time Allocation**
	CPMK-1	Introduction: types of presentation, definition of scientific presentation	TCL - SCL mixed	2 Hours
	CPMK-1	Preparation of scientific	TCL - SCL mixed	2 Hours
	CPMK-1	Strategy in scientific presentation	TCL - SCL mixed	2 Hours
	CPMK-1	Presentation practice	TCL - SCL mixed	8 Hours
	UTS/ Project Task Results/ Case Analysis			
	CPMK-2	9 The importance of writing skills in college and professional	TCL - SCL mixed	2 Hours
	CPMK-2	Thesis Manuscript Structure	TCL - SCL mixed	2 Hours
	CPMK-2	Abstract/Digest	TCL - SCL mixed	2 Hours
	CPMK-2	Drafting the Introduction	TCL - SCL mixed	2 Hours
	CPMK-2	Avoiding Plagiarism	TCL - SCL mixed	2 Hours
	CPMK-2	Citation Guide: Types of citation styles in text and in Bibliography	TCL - SCL mixed	2 Hours
	UAS/ Project Task Results/ Case Analysis			
Learning Methods	TCL - SCL mixed			
Student Learning Experience	Listening, asking questions, doing assignments (presentations and making scientific papers)			
Access Learning Media / LMS and Offline &; Online Percentage	Presentation Slides, 100% offline			

Assessment Methods and Alignment with CPMK	**Assessment Techniques**	**Assessment Percentage**	**Criteria/ Indicators**	**CPMK-1**	**CPMK-2**		
	Participatory Activities *)	30	Participation Rubric				
	***Project Results*/Hasil Case Study/ PBL Results**[*)]						
	Cognitive						
	Assignment	40	Assessment rubrics				

	UTS	10	Answer key				
	UAS	20	Answer key				
	Total	100					
	*) can also be obtained from UTS or UAS which is the result of participatory activities or *project* / case study results. In accordance with IKU 7, **the percentage of** participatory activities and project results/case studies/PBL results is at least 50%.						
Reference List	Young, P., 2006, Writing and Presenting in English, Elsevier Science, USA.						
Name of Lecturer (*Team Teaching*)	Ade Anggraini, Sintia Windhi Niasari						

Authorization	**Drafting Date**	**Course Coordinator**	**Coordinator of Expertise (if applicable)**	**Head of Study Program**
	August 16 2022			 Dr. Sudarmaji, MSi