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



Physical Geophysics Physical Education and HSE MFG 4705/ 1 SKS

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UNIVERSITAS GADJAH MADA FACULTY OF MATHEMATICS AND NATURAL SCIENCES 2021



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SEMESTER LEARNING PROGRAM AND ACTIVITY PLAN (RPKPS)

Course Code	Course Name	Weight		Semester	Course Status	Prerequisite Courses
MFG 4705	Physical Education and HSE	T: 1	<u>ні)</u> Р:-	Even	Choice	-
Course Brief Description	This course is problems for C HSE issues a essential issue taking this co knowledge ab eliminate worl This course at mechanisms, system, nervo and reproduct the medical ch Because Geop course also understanding - Know the - Providing - First aid in - First aid in - First aid in - First aid if - First Aid f - Setting up - Using diff - Develop S - Etc. Thus, after att HSE, to be su	intende Geophys re very in an in urse, Geo out occi caccider ins to p such as us system ive system ive system ive system ive system obysics S provides of vario Types an BHD (B n a victim n fracture on Fainti a P3K H CoPs in v ending t bsequent ive system	d to e ics Stu impor- nstituti cophys- upation nts (zea rovide the o m, diggen. Stu <i>MCU</i>) Study an us asp nd Fur- casic L n bitte e victing and Sox an bes of l working his con- tly app	quip physical e ady Program stu- tant to pay atte- tant to pay atte- atte- tant to pay atte- tant to pay atte- atte- atte- tant to pay atte- tant to pay att	education and HSE <i>(Health Safety an</i> udents at work, both in the laboratory ention to when someone works and a industrial world and others. It is exp gram students will gain sufficient un- ety, and the environment, so that it in they work. Ige to students about various aspects tem, respiratory system, skeletal sy exhaust system, endocrine system, w introduced to how to read and analyz- it can be used as a basis for maintain ates will work a lot in the field and of PPGD (Emergency First Aid) fety, such as: (Personal Protective Equipment) as animal ing Burns tims ar heir functions tory and in the Field re expected to have sufficient basic k ctivities and in working both in the laboratory in the laboratory in the sufficient basic k	<i>d Environment)</i> and in the field. become a very bected that after derstanding and will reduce or of human body stem, muscular rapping system, ze the results of ing their health. laboratory, this , which is an

	Students also l victims experi	have a good sense of empathy and cooperation in providing first aid to accident rienced by team members.							
Learning Outcomes Graduates (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 <i>global movement of sustainable development</i> 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-6	Managerial Skills and Self-Development : Graduates are able to update their competencies, namely by <i>life-long learning in</i> 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)							
Learning	After completing the learning of this course, students are expected to be able to:								
Outcomes Courses (CPMK)	CPMK1	Students can explain about various aspects of the human body mechanism, about human health in general (MCU results), able to explain about various types and functions of Personal Protective Equipment (PPE), able to explain about PPGD (Emergency First Aid [CPL-1]							
	СРМК2	Students can explain about various types of work accidents and can provide First Aid, such as providing BHD (Basic Life Support), providing first aid to victims bitten by poisonous animals, fracture victims, bleeding victims, fire victims, fainting and drowning victims, etc. In addition, at the end of the lecture, demonstration practices were also carried out using teaching aids, such as practicing RPJ, installing splints, installing torniquets, wrapping with various bandages, making simple dragbars, etc. [CPL-2]							
	СРМКЗ	Students are able to compile and explain SOPs <i>(Standard Operational Proce-dure)</i> before starting work or carrying out activities both in the Laboratory and in the Geophysical Field [CPL-6]							
CPL mapping with CPMK		CPMK-1CPMK-2CPMK-3CPL-1CPL-2CPL-6							

CPMK link with Learning Material and		Learning Materials	Forms of Learning	Time Allocation	
Form , as well as Time Allocation	СРМК1	Introduction of HSE, PPGD, and PPE	TCL, SCL, and Discussion	1 Hour	
	СРМК2	(Basic Life Support) with RPJ (Cardiopulmonary Resuscitation) TCL, SCL, and Discussion		1 Hour	
	СРМК2	First aid in a victim bitten by a poisonous animal	TCL, SCL, and Discussion	1 Hour	
	СРМК2	First aid in fracture TCL, SCL, and Discussion victims		1 Hour	
	СРМК2	First aid in victims of TCL, SCL, and Discussion broken and sprained fingers		1 Hour	
	СРМК2	First aid in bleeding victims	aid in bleeding TCL, SCL, and Discussion		
СРМК2		Get to know the different types of bandages and their functions TCL, SCL, and Discussion		1 Hour	
UTS/Project Task Results/Case Analysis Results					
	СРМК2	Facing fires and getting to know fire extinguishers2	TCL, SCL, and Discussion	1 Hour	
	СРМК2	First aid in victims of various types of burns	TCL, SCL, and Discussion	1 Hour	
	СРМК2	First aid on the TCL, SCL, and Discussion victim of fainting and drowning		1 Hour	
	СРМК2	Setting up P3K boxes with different kinds of tools and medicines, making simple dragbars	TCL, SCL, and Discussion	1 Hour	
	СРМКЗ	Preparing SOPs for Work in the Laboratory	TCL, SCL, and Discussion	1 Hour	

	СРМКЗ	Developing SOPs f Working in the Geo Field	for ophysical	TCL, S	CL, and Dise	1 Hour			
	СРМКЗ	Practice perform demonstrations props, such as d RPJ, wrapping bandages, instal splints, installin torniquets, etc.	ning with loing with lling lg	TCL, S	CL, and Disc	1 Hour			
UAS/ Project Task Results/ Case Analysis Results									
Learning Methods	TCL, SCL, and Discussion								
Student Learning Experience	Students can download and study course materials								
Access n/LMS Learning Media and Offline &; Online Percentage	Synchronous or asynchronous in-person/virtual lectures								
Assessment Methods	Assessment Techniques	Assessment Percentage	Criteria/ Indicators	CPMK 1	CPMK2	СРМКЗ			
and Alignment with CPMK	Participatory Activities ^{*)}								
	<i>Project</i> <i>Results/</i> Case Study Results/PBL Results ^{*)}								
	Cognitive			-					
	Assignment/Practice	10							

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	UTS	40							
	UAS	50				\checkmark			
	Total	100							
	^{*)} can also be obtained from UTS or UAS which is the result of participatory activities or <i>project</i> / 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	Articles and <i>experiences (best practice)</i> about HSE that can be downloaded from the internet and from HSE Course certification materials.								
Name of Lecturer (<i>Team</i> <i>Teaching</i>)	Dr. Wahyudi, M.S.								
Authorization	Drafting Date	Course Coor	[.] dinator C	coordinator o	of Expertise	(if any)	Head of Study Program		
	August 3 2022	Fillen	H						