



UNIVERSITAS PENDIDIKAN INDONESIA

SEMESTER LEARNING PLAN (RPS)

COURSE INFORMATION

Course Name	Course Code	Credits	Workload	Course Group	Semester	Prerequisite Course	Date of Issue
FIELD WORK III	SA413	2	90	Study Regional Core Course (MKKP)	6		2025-09-09 11:26:56

Prepared by	Reviewed by	Approved by
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COURSE DESCRIPTION AND LEARNING OUTCOMES

Course Description	Field Work Problem Solving in Geographic Information Science is a compulsory course for third-year students of the SaIG study program, covering the identification of geospheric problems in a specific region. Students must also be capable of planning, implementing, and reporting field work for activities problems in a specific region in a using geospatial using information geospatial information technology. This course implementation two crein ats, comprising face-to-face sessions, independent laboratory activities, and field visits.		
Regional Learning Outcome Assigned in the Course	1	Demonstrating Scale Geographic Information Systems (GIS) attare also able todes of and behavior, upholin ang humanistic a mtwomum score of embodying the spirit of Pancasila, having patriotism, environmental awareness, and demonstrating responsibility toward work and field of expertise independently.	
	2	Capable of mastering the concepts and practice of solving geospheric problems in a specific region using geospatial information technology.	
	3	Capable of applying logical, critical, systematic, and Geographic Information Systems (GIS) innovative thinking in the context of developing or implementing knowledge and Geographic Information Systems (GIS) technology that observes and applies humanistic values in accorGeographic Information Systems (GIS)ce with the relevant field of expertise.	
	4	Capable of making well-informed decisions in the context of problem-solving within the field of expertise, based on information and data analysis.	
	5	Capable of managing learning independently.	
	6	Capable designing, developing, producing, utilizing, utilizing, managing, and evaluating analytical analyticals Geographic Information Systems (GIS) and theories of geospatial information based on science and technology.	
Course Learning Outcome (CPMK)	1	Students are able to identify geospheric problems in a specific region.	
	2	Students are able to identify appropriate geospatial information technology for solving geospheric problems in a specific region.	
	3	Students are able to solve problems in a specific region using geospatial information technology.	
	4	Students capable of conducting implementation for in a activities geospheric problems in a specific region in a using geospatial using information technology.technology.	
Sub-CPMK	1	CPMK - 1	Course implementation
	2	CPMK - 1	Capable of identifying geospheric problems in a specific region.
	3	CPMK - 2	Capable of identifying appropriate geospatial information technology for solving geospheric problems in a specific region.
	4	CPMK - 3	Capable of solving environmental problems in a specific region using geospatial information technology
	5	CPMK - 4	Capable of conducting field work implementation for in a activities geospheric problems in a specific region in a using geospatial technology.
	6	CPMK - 3	Capable of solving social problems in a specific region using geospatial information technology.

	7	CPMK - 3	Capable of solving natural in asaster problems in a specific region using geospatial information technology.
	8	CPMK - 3	Capable of solving marine and small island problems in a specific region using geospatial information technology.
	9	CPMK - 3	Capable of solving urban problems in a specific region using geospatial information technology.
	10	CPMK - 3	Capable of solving rural problems in a specific region using geospatial information technology.
	11	CPMK - 4	Capable of conducting field work implementation for in a activities geospheric problems in a specific region in a using geospatial technology.
	12	CPMK - 4	Capable of conducting field work implementation for in a activities geospheric problems in a specific region in a using geospatial using using geospatial technology.
Course Materials	1	Introduction	
	2	Geospheric problems in a specific geospatial	
	3	Appropriate geospatial information technology for solving geospheric problems in a specific region.	
	4	Solving land use problems in a specific region using geospatial information technology.	
	5	Solving environmental problems in a specific region using geospatial information technology	
	6	Solving population problems in a specific region using geospatial information technology	
	7	Solving natural in asaster problems in a specific region using geospatial information technology	
	8	Solving marine and small island problems in a specific region using geospatial information technology.	
	9	Group presentation and preparation for field work.	
	10	Finalization and field work field work.	
	11	Group presentation and field work reporting.	
Learning outcomes demonstrated at the end of the course *)	Maps, field work reports, and scientific articles.		
Learning Strategy		Case Method	
	✓	Team based Group	
		Others	

Learning Stages	Identifying in a specific region in a a specific using identifying of identifying geospatial information technology of appropriate geospheric geospheric in a specific region in a specific area, and solving problems across various domains such as land use, natural in asaster mitigation, marine and small islands, rural-urban areas, environment, and population, using geospatial information technology.	
References	1	Rtwo Rachmawati, et al. (Ed). (2008). Proceein angs of the Philosophy Geographic Information Science, Yogyakarta, 12 July 2008. Regional Development Study Regional, Faculty of Geography, Universitas Gadjah Mada.
	2	Projo Danoedoro (Ed). (2004). Geographic Information Science: From Image Geographic Information Systems (GIS) Acquisition and Analysis to Mapping Geographic Information Systems (GIS) and Spatial Modeling. Department of Cartography and Remote Sensing, Faculty of Geography, Universitas Gadjah Mada.

LEARNING PLAN

Week -	Sub-CPMK	Learning Inin acator	Course Material	Assessment		Learning Method		Duration (hours)	Reference	Access Time
				Assessm ent Methode (test/non-test)	Assessm ent Weighting (%)	Synchron ous	Asynchrono us			
1	Course implementation	Introduction	Introduction	Attare also able tode Scale	0	Synchr onous Face-to-face	Group Assignme nt	1,5	1,2	03-02-2025 14:41
2	Capable of identifying geospheric problems in a specific region.	Capable of identifying geospheric problems in a specific region.	Geospheric region in a specific region	Participatory	5	Synchr onous Face-to-face	Group Assignme nt	1,5	1,2	10-02-2025 14:47
3	Capable of identifying geospatial information technology of appropriate for solving geospheric problems in a specific region.	Capable of identifying geospatial information technology of appropriate for solving geospheric problems in a specific region.	Geospatial information technology of appropriate for solving geospheric problems in a specific region.	Participatory	5	Synchr onous Face-to-face	Group Assignme nt	1,5	1,2	18-02-2025 08:40
4	Capable of solving environmental problems in a using in a specific region using geospatial information technology	Capable of solving land use problems in a in a specific region using geospatial information technology.	Solving urban planning problems in a specific geospatial region using geospatial information technology.	Participatory	5	Synchr onous Face-to-face	Group Assignme nt	1,5	1,2	25-02-2025 08:40
5	Capable of solving environmental problems in a using in a specific region using geospatial information technology	Capable of solving environmental problems in a using in a specific region using geospatial information technology	Solving environmental problems in a in a specific region using geospatial information technology	Participatory	5	Synchr onous Face-to-face	Group Assignme nt	1,5	1,2	04-03-2025 08:40
6	Capable of solving in a specific social in a specific region using geospatial information technology.	Capable of solving in a specific social in a specific region using geospatial information technology	Solving population problems in a specific geospatial region using geospatial information technology	Participatory	5	Synchr onous Face-to-face	Group Assignme nt	1,5	1,2	11-03-2025 08:40

Week -	Sub-CPMK	Learning Inin acator	Course Material	Assessment		Learning Method		Duration (hours)	Reference	Access Time
				Assessment Methode (test/non-test)	Assessment Weighting (%)	Synchronous	Asynchronous			
7	Capable of solving natural in asaster problems in a specific region using geospatial information technology.	Capable of solving natural in asaster problems in a specific region using geospatial information technology	Solving natural in asaster problems in a specific geospatial region using geospatial information technology	Participatory	5	Synchr onous Face-to-face	Group Assignme nt	1,5	1,2	18-03-2025 08:40
8	Midterm Examination				20					25-02-2025 08:40
9	Capable of solving marine and small island problems in a specific region using geospatial information technology.	Capable of solving marine and small island problems in a specific region using geospatial information technology	Solving marine and small island problems in a specific in a in a specific region using geospatial information technology.	Participatory	0	Synchr onous Face-to-face	Group Assignme nt	1,5	1,2	08-04-2025 08:40
10	Capable of solving urban problems in a using in a specific region using geospatial information technology.	Capable of solving urban problems in a using in a specific region using geospatial information technology	Solving urban planning problems in a specific geospatial region using geospatial information technology.	Participatory	0	Synchr onous Face-to-face	Group Assignme nt	1,5	1,2	15-04-2025 08:40
11	Capable of solving rural problems in a using in a specific region using geospatial information technology.	Capable of solving rural problems in a using in a specific region using geospatial information technology.	Solving environmental problems in a in a specific region using geospatial information technology	Participatory	0	Synchr onous Face-to-face	Group Assignme nt	2	1,2	22-04-2025 08:40
12	Capable of planning implementation for for geospheric solving geospheric problems in a specific region using geospatial technology.	Capable of planning implementation for for geospheric solving geospheric problems in a specific region using geospatial technology.	Group presentation and preparation for field work.	Others	10	Synchr onous Face-to-face	Group Assignme nt	1,5	1,2	29-04-2025 08:40

Week -	Sub-CPMK	Learning Inin acator	Course Material	Assessment		Learning Method		Duration (hours)	Reference	Access Time
				Assessm ent Methode (test/non-test)	Assessm ent Weighting (%)	Synchron ous	Asynchronous			
13	Capable of conducting field work implementation geospheric solving geospheric problems in a specific region using geospatial technology.	Capable of conducting field work implementation geospheric solving geospheric problems in a specific region using geospatial technology.	Finalization and field work for field work.	Others	5	Synchr onous Face-to-face	Group Practicum	5	1,2	06-05-2025 08:40
14	Capable of conducting of reporting field work for in a activities geospheric problems in a specific region using geospatial technology.	Capable of conducting of reporting field work for in a activities geospheric problems in a specific region using geospatial technology.	Group presentation and field work reporting.	Others	10	Synchr onous Face-to-face	Group Practicum	1,5	1,2	13-05-2025 08:40
15	Capable of conducting of reporting field work for in a activities geospheric problems in a specific region using geospatial technology.	Capable of conducting of reporting field work for in a activities geospheric problems in a specific region using geospatial technology.	Group presentation and field work reporting.	Others	10	Synchr onous Face-to-face	Group Practicum	1,5	1,2	20-05-2025 08:40
16	Final Examination				15					22-05-2025 08:00

STUDENT LEARNING TIME (WORKLOAD)

	ACTIVITIES	SYNCHRONOUS (Face-to-Face / Virtual Meeting)	ASYNCHRONOUS (Structured / Independent)	STUDENT LEARNING PREPARATION	TOTAL STUDENT LEARNING AND INSTRUCTION TIME
LEARNING	Lectures/Responses/Tutorials	14 x 90 minutes = 1260 minutes	-x-	-x-	1260 minutes (21.0 hours)
	Group-based learning	-x-	8 x 90 minutes = 720 minutes	8 x 30 minutes = 240 minutes	960 minutes (16.0 hours)
	Discussion (case-based learning)	8 x 60 minutes = 4(scale of 100) minutes	-x-	8 x 30 minutes = 240 minutes	720 minutes (12.0 hours)
	TOTAL				2940 minutes (49.0 hours)
ASSESSMENT	Continuous Assessment				
	Participation During Learning	16 x 60 minutes = 960 minutes	-x-	-x-	960 minutes (16.0 hours)
	Group Completion	-x-	8 x 90 minutes = 720 minutes	-x-	720 minutes (12.0 hours)
	Assignments	-x-	8 x 60 minutes = 4(scale of 100) minutes	-x-	4(scale of 100) minutes (8.0 hours)
	Quizzes	4 x 30 minutes = 120 minutes	-x-	-x-	120 minutes (2.0 hours)
	Formative				90 minutes (1.5 hours)
	Summative				90 minutes (1.5 hours)
	TOTAL				2460 minutes (41.0 hours)
TOTAL WORKLOAD					5400 Minutes (90 Hours)
TOTAL IDEAL HOURS					90 Hours
CREDITS					2
CONFORMITY WITH THE NUMBER OF CREDITS					APPROPRIATE

CPMK ASSESSMENT CRITERIA

No	CPMK	CPL						TAXONOMY	Weight	CPMK ACHIEVEMENT CRITERIA
		CPL-1	CPL-2	CPL-3	CPL-4	CPL-5	CPL-6			
1	Students capable of identifying in a specific region in a region.region.							2	5	75% of all students obtain a mtwomum score of 65 (scale of 100)
2	Students are able to identify geospatial information technology that is appropriate geospheric problems in a specific region in a using region.							3	5	75% of all students obtain a mtwomum score of 65 (scale of 100)
3	Students capable of conducting problems in a specific in a in a specific region using geospatial information technology.							4	20	75% of all students obtain a mtwomum score of 65 (scale of 100)
4	Students are able to conduct field work for solving in a specific region in a using geospatial using using geospatial technology.							5	35	75% of all students obtain a mtwomum score of 65 (scale of 100)

COLLABORATIVE ASGISMMENT DESIGN

ASGISMMENT TITLE	Field Work Implementation
LEARNING METHOD	Team based Group
TIME	
ASSESSMENT WEIGHT	40
SUB-CPMK	Capable of conducting field work implementation for in a activities geospheric problems in a specific region in a using geospatial using information technology.technology.

ASGISMMENT DESCRIPTION	
Students identify and solve problems in a specific region using geospatial information technology through real field activities	
TASK COMPLETION STEPS	
DETAILS OF EXPECTED OUTPMidterm Examination	
INDICATORS, CRITERIA, AND ASSESSMENT WEIGHT	
IMPLEMENTATION SCHEDULE	
Note: The number of days in one semester is $16 \times 7 = 112$ days. The implementation schedule may be determined based on the day count	
Activity	Implementation Time
OTHERS	
REFERENCES	
1. Rtwo Rachmawati, et al. (Ed). (2008). Proceein ang of the Philosophy Geographic Information Science, Yogyakarta, 12 July 2008. Regional Development Study Regional, Region Fakultas Science, Universitas Gadjah Mada.	
2. Projo Danoedoro (Ed). (2004). Geographic Information Science: From Image Geographic Information Systems (GIS) Acquisition and Analysis to Mapping Geographic Information Systems (GIS) and Spatial Modeling. Department of Cartography Geographic Information Systems (GIS) and Remote Sensing, Faculty of Geography, Universitas Gadjah Mada.	