

INSTITUT TEKNOLOGI SEPULUH NOPEMBER FACULTY OF CIVIL, PLANNING AND GEO ENGINEERING DEPARTMENT OF GEOMATICS ENGINEERING UNDERGRADUATE STUDY PROGRAM

Document Code

			SEMESTE	R LEARNING	PLAN (SLP)						
COURSE NAME			CODE COURSE GROUP		IP .	CREDITS (SKS)		SEMESTER	Date of Preparation		
Final Project			CM234835	-		T=6	P=0	7	-		
AUTHORIZATION			SLP Developer		Course Group Coordinator		Head of Study Program				
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Learning Outcomes (LO)	Expected Course	Learning O	utcomes (ELO) that I	mposed in the							
	ELO-4	and Remot	Able to apply mathematics, science, and engineering in the fields of Geodesy and Surveying, Hydrography, Photogrand Remote Sensing also Geographic Information Systems and Cadastral to gain a thorough understanding of the postering.								
	ELO-5		Able to design survey and mapping activities using the latest technology in the fields of Geodesy and Surveying, Hydrog Photogrammetry and Remote Sensing also Geographic Information Systems and Cadastral.						ying, Hydrography,		
							ns in the fields of Geodesy and Surveying, Hydrography, Photogrammetry stems and Cadastral.				
	ELO-8		Able to compile scientific reports and provide solutions based on leadership, creativity and communication skills as well as being responsible for the work done.								
	ELO-11	Able to be responsible to the community and adhere to professional ethics in solving technical problems in th Geodesy and Surveying, Hydrography, Photogrammetry and Remote Sensing also Geographic Information Systems Cadastral.									
	Course Learning Outcomes (CLO)										
	CLO-1	standards	rmulate Final Project of the Indonesian Nat on for Standardizatior	ional Standard (S							

	CLO-2 Able to evaluate quantitatively and qualitatively, draw clear conclusions and recommend the results of their research to interested parties from various sectors and fields with the solution of these problems.									
	CLO-3 Able to make research reports starting from the preparation of research designs, research implementation to studies and evaluations.									
	CLO-4 Able to present the results of final project research responsibly in the seminar forum and defend it in an oral examination is front of a team of examining lecturers. CLO-5 Able to carry out research by applying information & communication technology in the fields of geodesy, surveying hydrography, remote sensing, photogrammetry, geographic information systems, and cadastre.									
	Matrix ELO-CLO									
	CLO	ELO-4	ELO-5	ELO-6	ELO-8	ELO-11				
	CLO-1 CLO-2	V	V							
	CLO-2		V	V						
	CLO-4			•	V					
	CLO-5					V				
-	The Final Project is a scientific work based on a research or design activity, prepared within a semester, under the guidance of a supervisor and can be assisted by an assistant supervisor. The supervisor here acts as a facilitator, director, and determines the idea of implementing the Final Project. The team of examining lecturers conducted an assessment in terms of report writing, scientific field material, attitude in maintaining ideas and final project presentation. By compiling the Final Project, students are expected to be able to summarize, apply, pour, solve all knowledge, skills, ideas and problems in certain fields of expertise / fields of study systematically and logically, critically and creatively, based on accurate data / information and supported by accurate data / information with appropriate analysis.									
Course Materials	the International Mapping scale 1: Number RSNI3 76 Networks, and ot 2. Application of ir photogrammetry, 3. Application of cal solve problems. 4. Making research in	veying and mapping both In Organization for Standard 50,000, SNI ISO 19111_201.57: 2010 concerning Hydrohers. Information & communicate geographic information syculation methods related to reports starting from the property of the propert	lization (ISO) for exact concerning Geographic Surveys, SNI ion technology in to stems, and cadastral io the topic of the finate paration of research	ample SNI 8473: 201 aphical Information - Surta Number SNI_19-the fields of geodesy in the implementational project, study and expression designs, research implements implements in designs, research implements.	8 concerning Semide Spatial Reference with 7149 of 2005 concerts, surveying, hydrogy of research. Valuation of results at plementation to studi	etailed Land Survey and the Coordinates, SNI Surta ning Heavy Force Control graphy, remote sensing, and research processes to				

References		Main:									
			<u>h No</u> pember Institi		nal Project Preparation Rule lity Assurance Office. 2017.			Surabaya			
Lectur	er	Lecturer									
Prereg	uisite	Research N	Methodology					T			
Class/ Week	-		Va	luation	Learning Forms, Learning Methods, Student Assignments /Task, [Estimated Time]		Learning Materials [References]	Weight (%)			
(Indicators	Criteria	Offline	Online					
(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)			
1	Able to formulate problems and main survey and magactivities based or standards of the I National Standard the National Standard (BSN) and International Orgafor Standardization	ke designs oping n certain ndonesian d (SNI) from dardization I the anization	Accuracy in formulating research problems and make designs in survey and mapping activities based on certain standards of the Indonesian National Standard (SNI) from the National Standardization Agency (BSN) and the International Organization for	1. Completeness of the material 2. Depth of explanation and effectiveness of communication 1. Completeness of explanation and explanation and effectiveness of communication	Formulation of research problems and design design		Indonesian National Standard (SNI) from the National Standardization Agency (BSN) and the International Organization for Standardization (ISO) for surbei and mapping activities	20			

		Standardization (ISO).				
2	Able to apply information & communication technology in the fields of geodesy, surveying, hydrography, remote sensing, photogrammetry, geographic information systems, and cadastral in the implementation of final project research.	Accuracy in applying information & communication technology in the fields of geodesy, surveying, hydrography, remote sensing, photogrammetr y, geographic information systems, and cadastral in the implementation of final project research.	1. Completeness of the material 2. Depth of explanation and effectiveness of communication 1. Completeness of explanation and effectiveness of communication explanation explanation explanation explanation explanation explanation explanation explanation.	Conduct of research	Information & communication technology in the fields of geodesy, surveying, hydrography, remote sensing, photogrammetry, geographic information systems, and cadastral	20
3	Able to evaluate quantitatively and qualitatively, draw clear conclusions and recommend the results of their research to interested parties from various sectors and fields with the solution of these problems.	Accuracy in evaluating quantitatively and qualitatively, drawing clear conclusions and recommending the results of their research to interested parties from various sectors	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	Quantitative and qualitative evaluation and conclusion drawing	Application of calculations and theories for quantitative and qualitative evaluation and in drawing clear conclusions.	20

		and fields with						
		the solution of						
		these problems.						
4	Able to make research	Accuracy in	1. Completeness of	Report preparation		Final project research	20	
	reports starting from the	making research	the material			report		
	preparation of research	reports starting	2. Depth of					
	designs, research	from the	explanation and					
	implementation to studies	preparation of	effectiveness of					
	and evaluations.	research	communication					
		designs,						
		research						
		implementation						
		to studies and						
		evaluations.						
5	Able to present the results	Accuracy in	1. Completeness of	Presentation		Presentation of	20	
	of final project research	presenting the	the material			research results		
	responsibly in the seminar	results of final	2. Depth of					
	forum and defend it in an	project research	explanation and					
	oral examination in front of	responsibly in	effectiveness of					
	a team of examining	the seminar	communication					
	lecturers.	forum and	Communication					
	lecturers.							
		defending it in						
		an oral						
		examination in						
		front of a team						
		of examining						
		lecturers.						
TOTAL	TOTAL							