		DEPACT	ESTER LEARNING PLAN ARTMENT OF GEOMATICS ULTY OF CIVIL, PLANNING					
PROGRA	M	UND	ERGRADUATE					
COURSE	NAME	Carte	ography			CODE	RM184101	
SEMESTE	ER	I (one	e)			CREDITS	3 (three)	
LECTURI	ERS		ono [coord] ir Guruh Pratomo, Hepi Haps	ari Handayan	i, Ira Mutiara Anjasmara, Akbar Kurniawan			
COURSE MATERIALS		1 2 3 4	Cartographic Concepts Map classification Simple map making procedure Use of scale and its calculation					
		6 7	5 Plotting coordinates from available data 6 Simple map layout design 7 Making contour from available data					
EXPECTED LEARNING OUTCOMES THAT IMPOSED IN THE COURSE			cadastral.		using the latest technology in the fields of geodesy			
COURSE LEARNING OUTCOMES ABILITY CATEGORIES		1 2 3 4 5 6 7 8	Able to explain the concept of Able to distinguish type of ma Able to explain map making p Able to apply the use of scale a Able to plot coordinates from a Able to design a simple map la Able to make contours from av Able to make a map from a set	os which circul rocedures in a s and its calculat available data yout vailable data	simple way ions	place and the purpose of c	cartography	
		Know Psych	Cognitive Prosecess Analyse Knowledge Domain Procedural Psychomotor Conscious control Affective Change of attitude					
Class	Lesson learning outcome	Crit	eria dan Assessment Indicator	Weight	Learning Materials	Learning Experience	Learning Methods	Estimated Time
(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)

Class	Lesson learning outcome	Criteria dan Assessment Indicator	Weight	Learning Materials	Learning Experience	Learning Methods	Estimated Time
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1 - 2	Able to explain the concept of	Completeness of material, depth of	10%	Explanation of Syllabus and Class Rules	Lecture	Teacher-centered learning	2 x 50'
	cartography, including the meaning	explanation, effectiveness of		Lectures, Introduction to Cartography	Discussion	Student-centered learning	2 x 50'
	of the map, the position of a place	communication, accuracy of attitude		Definition of Cartography	Practice	Problem-based learning	2 x 50'
	and the purpose of cartography.			Definition of position	Task		
3 - 4	Able to distinguish various type of	Completeness of material, depth of	20%	Definition of map	Lecture	Teacher-centered learning	2 x 50'
	maps which circulate in the	explanation, effectiveness of		Map classification	Discussion	Student-centered learning	2 x 50'
	community	communication, accuracy of attitude			Practice	Problem-based learning	2 x 50'
					Task	Task-1: Search various maps	
5 - 6	Able to explain map making	Completeness of material, depth of	10%	Map making procedure:	Lecture	Teacher-centered learning	2 x 50'
	procedures in a simple way	explanation, effectiveness of		Field orientation	Discussion	Student-centered learning	2 x 50'
		communication, accuracy of attitude		Data retrieval	Practice	Problem-based learning	2 x 50'

				Data processing Presentation of data			
7	Able to apply the use of scale and its calculations	Completeness of material, depth of explanation, effectiveness of communication, accuracy of attitude	10%	Scale on the map	Lecture	Teacher-centered learning	1 x 50'
				Several things related to scale on the map	Discussion	Student-centered learning	1 x 50'
					Practice	Problem-based learning	1 x 50'
8				Mid-Semester Evaluation			
9 - 10	Able to plot coordinates from available data	Completeness of material, depth of explanation, effectiveness of communication, accuracy of attitude	20%	Definition of coordinate systems	Lecture	Teacher-centered learning	2 x 50'
				Several coordinate systems in maps	Discussion	Student-centered learning	2 x 50'
				Calculation of coordinate	Practice	Problem-based learning	2 x 50'
				Determination of paper size related to map scale	Task	Task-2: Plotting	
11 - 12	Able to design a simple map layout	Completeness of material, depth of explanation, effectiveness of communication, accuracy of attitude	10%	Create a layout design on the map	Lecture	Teacher-centered learning	2 x 50'
				Paper size symmetry	Discussion	Student-centered learning	2 x 50'
				Legend and symbol location	Practice	Problem-based learning	2 x 50'
				Grid Making			
13 - 14	Able to make contours from available data	Completeness of material, depth of explanation, effectiveness of communication, accuracy of attitude	10%	Complete the map with contours	Lecture	Teacher-centered learning	2 x 50'
				Contour making	Discussion	Student-centered learning	2 x 50'
					Practice	Problem-based learning	2 x 50'
					Task	Task-3: Making contour	
15	available data (secondary data)	Completeness of material, depth of explanation, effectiveness of communication, accuracy of attitude	10%	Making a complete map from secondary data	Lecture	Teacher-centered learning	1 x 50'
					Discussion	Student-centered learning	1 x 50'
					Practice	Problem-based learning	1 x 50'
					Task	Task-4: Map Finalization	
16				Final Semester Evaluation			