<table>
<tr><td rowspan="3"></td><td colspan="5">SEMESTER LEARNING PLAN
DEPARTMENT OF GEOMATICS ENGINEERING
FACULTY OF CIVIL, PLANNING, and GEO ENGINEERING</td></tr>
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PROGRAM	**UNDERGRADUATE**		
COURSE NAME	**Participatory Mapping**	**CODE**	**RM184954**
SEMESTER	**Elective Course**	**CREDITS**	**2 (two)**
LECTURERS	**Agung Budi Cahyono (Coord)** **Yanto Budisusanto, Udiana W. Deviantari, Husnul Hidayat**		

COURSE MATERIALS	1	Definition and Concept of Participatory Mapping
	2	Legal Basis and Problems
	3	The Participatory Mapping Process
	4	Design of Data Collection Methods
	5	Boundaries and Their Problems
	6	Map Problems in Indonesia
	7	Village Map & Disaster Mitigation Map (Participatory)
	8	Participatory Mapping with petakita.big.go.id

EXPECTED LEARNING OUTCOMES THAT IMPOSED IN THE COURSE	D	Able to perform spatial data acquisition using modern measurement methods, geospatial data processing, using industry standard software, and making standard designs and analyzes in the fields of geodesy, surveying, hydrography, remote sensing, photogrammetry, and cadastral.
	H	Able to work in inter-disciplinary and inter-cultural teams so they can compete at national and international levels.
	I	Able to be responsible to the community and adhere to professional ethics in solving technical problems in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, geographic information systems, and cadastral.

COURSE LEARNING OUTCOMES	1	Students know and understand the concepts and legal basis of participatory mapping and its application to the needs of the community to support the On
	2	Students have the ability to identify the problem of geospatial needs in the community.
	3	Students are able to think critically about the use and management of spatial data for planning as well as some problems of community life in the managen
	4	Students have experience making one type of activity product in participatory mapping with the community
	5	Students are able to present and analyze the results of participatory mapping in the One Map Policy server (http://petakita.big.go.id)

ABILITY CATEGORIES	*Cognitive Prosecess*	*Analyse*
	Knowledge Domain	*Procedural*
	Psychomotor	*Conscious control*
	Affective	*Change of attitude*

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	Students are able to explain the definition and understand the concept of Participatory Mapping	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	5	The Concept of Participatory Mapping Mapping Method Review	Lecture	Teacher-centered learning	1 x 50'
					Discussion	Student-centered	1 x 50'
					Practice	Problem-based learning	1 x 50'

2-3	Students are able to explain the foundation and legal issues in Participatory Mapping	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	10	Law No. 26 of 2007 concerning Spatial Planning (Article 65) and PP No. 68 of 2010 concerning the Form and Procedures for the Role of Communities in Spatial Planning	Lecture	Teacher-centered learning	1 x 50'
					Discussion	Student-centered learning	1 x 50'
					Practice	Problem-based learning	1 x 50'
4-5	Students are able to explain the participatory mapping process	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	10	Stages of Participatory Mapping Process begin Identification of Problems, Methods, Tools, Applications and Presentations	Lecture	Teacher-centered learning	1 x 50'
					Discussion	Student-centered	1 x 50'
					Practice	Problem-based learning	1 x 50'
6	Students are able to explain spatial & non-spatial data collection methods	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	20	The application of acquisition methods with Ground Mapping, Stone Mapping, Sketch Mapping and Scaled 2D Mapping	Lecture	Teacher-centered learning	1 x 50'
					Discussion	Student-centered learning	1 x 50'
					Practice	Problem-based learning	1 x 50'
7	Students are able to identify geospatial problems in society	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	10	Data on natural resource management, - planning of agricultural activities, education and health facilities, assertion of boundaries, and reduction disaster risk etc.	Lecture	Teacher-centered learning	1 x 50'
					Discussion	Student-centered learning	1 x 50'
					Practice	Problem-based learning	1 x 50'
8	Mid Semester Evaluation						
9-10	Students are able to understand several examples of Participatory Mapping: Village Map, Mitigation Map, Customary Area Map	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	15	Papers / journals review of some examples of Participatory Mapping.	Lecture	Teacher-centered learning	1 x 50'
					Discussion	Student-centered learning	1 x 50'
					Practice	Problem-based learning	1 x 50'
11-12	Students are able to do participatory mapping activities with the community	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	10	Implementing the participatory mapping in the field	Lecture	Teacher-centered learning	1 x 50'
					Discussion	Student-centered learning	1 x 50'
					Practice	Problem-based learning	1 x 50'

						Lecture	Teacher-centered learning	1 x 50'
13-14	Students are able to present the results of participatory mapping in the One Map Policy server (http://petakita.big.go.id)	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	10		Utilization of WebGIS based Mapping and GPS Mapping technology	Discussion	Student-centered learning	1 x 50'
						Practice	Problem-based learning	1 x 50'
						Lecture	Teacher-centered learning	1 x 50'
15	Students are able to analyze the results of participatory mapping	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	10		Map analysis based on the needs of the community, organization and govern	Discussion	Student-centered learning	1 x 50'
						Practice	Problem-based learning	1 x 50'
16	Final Semester Evaluation							
Total			100					