SEMESTER LEARNING PLAN **DEPARTMENT OF GEOMATICS ENGINEERING** **FACULTY OF CIVIL, PLANNING, and GEO ENGINEERING**	

PROGRAM	UNDERGRADUATE		
COURSE NAME	Ocean and Coastal Management	CODE	RM184940
SEMESTER	Elective Course	CREDITS	3 (three)
LECTURERS	Dr-Ing. Ir. Teguh Hariyanto, MSc		
	Cherie Bhekti Pribadi, ST, MT		

COURSE MATERIALS	1	This course examines the legal basis, basic concepts of management, utilization, and development of coastal and marine areas in an integrated and sustainable manner

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.
	E	Able to apply information & communication technology and the latest technological developments in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, geographic information systems, and cadastral.
	G	Able to plan, perform and evaluate the process of surveying and mapping activities using the latest technology in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, and cadastral.
	J	Able to apply the concepts of management, entrepreneurship, the latest technology-based innovation, sustainable and environmentally sound.

COURSE LEARNING OUTCOMES	1	Students are able to explain the concepts and definitions of management, utilization, and development of coastal and marine areas in an integrated and su
	2	Students know zoning for the management of coastal and marine areas
	3	Students are able to explain the concept of mastery of coastal waters and small islands
	4	Students are able to analyze sediment transports in coastal waters and small islands

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)

1,2	Able to explain the legal basis, principles and objectives of managing national and international coastal and marine areas	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	10%	Introduction to the management of coastal and marine areas	Lectures Presentation Discussion	Teacher-centered learning Student-centered learning Problem-based learning	1 x 50' , 1 x 50', 1 x' 50'
3,4	Able to explain the legal basis, principles and objectives of managing national and international coastal and marine areas Able to explain the basic concepts of the management of coastal and marine areas	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	10%	The basic concept of the management process of coastal and marine areas	Lectures Presentation Discussion	Teacher-centered learning Student-centered learning Problem-based learning	1 x 50' , 1 x 50', 1 x' 50'
5,6	Able to explain zoning for the management of coastal and marine areas	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	10%	Zoning for the management of coastal and marine areas	Lectures Presentation Discussion	Teacher-centered learning Student-centered learning Problem-based learning	1 x 50' , 1 x 50', 1 x' 50'
7	Able to explain the development policy of coastal and sea areas	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	10%	Development policies Coastal and sea areas	Lectures Presentation Discussion Assignment	Teacher-centered learning Student-centered learning Problem-based learning	1 x 50' , 1 x 50', 1 x' 50'
8	Mid semester exam						
9,10	Able to explain the Potential and Problems of the development of coastal and ocean areas	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	10%	Potential and Problems of Coastal and Oceanic Development	Lectures Presentation Discussion	Teacher-centered learning Student-centered learning Problem-based learning	1 x 50' , 1 x 50', 1 x' 50'

11,12	Able to explain the use and arrangement of small islands and surrounding waters	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	15%	Utilization and arrangement of small islands and surrounding waters	Lectures Presentation Discussion	Teacher-centered learning Student-centered learning Problem-based learning	1 x 50' , 1 x 50', 1 x' 50'
13	Able to explain the physical condition of coastal waters and small islands in terms of geomatics aspects	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	10%	The physical condition of coastal waters and small islands in terms of geomatics aspects	Lectures Presentation Discussion	Teacher-centered learning Student-centered learning Problem-based learning	1 x 50' , 1 x 50', 1 x' 50'
14	Able to explain the process of sediment transport in coastal waters and small islands	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	10%	Sedimentation in coastal waters and small islands	Lectures Presentation Discussion	Teacher-centered learning Student-centered learning Problem-based learning	1 x 50' , 1 x 50', 1 x' 50'
15	Able to identify the development of coastal waters and small islands as a strategic area	Material completeness, depth of explanation, effectiveness of communication, accuracy of attitude	15%	Development of coastal waters and small islands as strategic areas	Lectures Presentation Discussion Assignment	Teacher-centered learning Student-centered learning Problem-based learning	1 x 50' , 1 x 50', 1 x' 50'
16	Final semester examination						
						TOTAL	100