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

SEMESTER LEARNING PLAN (SLP)

COURSE NAME	**CODE**	**COURSE GROUP**	**CREDITS (SKS)**		**SEMESTER**	**Date of Preparation**
Ocean and Coastal Management	CM234983	Geomarine	**T=2**	**P=0**	Elective Course	-

AUTHORIZATION	**SLP Developer**	**Course Group Coordinator**	**Head of Study Program**
	Dr. Ing. Ir. Teguh Hariyanto, M.Sc.	Dr. Muhammad Aldila Syariz, S.T., M.S., Ph.D.	Putra Maulida, ST, MT, Ph.D

Learning Outcomes (LO)

Expected Learning Outcomes (ELO) that Imposed in the Course	
ELO-5	Able to design survey and mapping activities using the latest technology in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, and cadastral.
ELO-6	Able to identify, formulate, analyze and solve problems in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, and cadastral.
ELO-9	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.
Course Learning Outcomes (CLO)	
CLO-1	Students are able to explain the concepts and definitions of management, utilization, and development of coastal and marine areas in an integrated and sustainable manner
CLO-2	Students know zoning for the management of coastal and marine areas
CLO-3	Students are able to explain the Potential and Problems of the development of coastal and ocean areas
CLO-4	Students are able to identify the development of coastal waters and small islands as a strategic area

Matrix ELO – CLO

CPMK	ELO-5	ELO-6	ELO-9
CLO-1	v	v	v
CLO-2	v	v	v
CLO-3	v	v	v
CLO-4	v	v	v

Course Description	
Course Materials	1.
References	**Main:**
	1.
	Additional :
	1.
Lecturer	1. Dr. Ing. Ir. Teguh Hariyanto, M.Sc.
Prerequisite	

Class/ Week	Lesson Learning Outcome (Sub-CLO)	Evaluation		Forms of Learning, Learning methods,Student Assignments/Task, [Estimated Time]		Learning Materials [References]	Weight (%)
		Indicators	Criteria and Form	Offline	Online		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1			1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [1 x 50'] 2. Discussion [1 x 50']		•	10
2 – 3			1. Completeness of the material 2. Depth of explanation and	1. Lecture [2 x 50'] 2. Discussion [1 x 50'] 3. Task [1 x 50']			10

			effectiveness of communication				
4 – 5		1.	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [2 x 50'] 2. Discussion [2 x 50']			10
6		1.	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [2 x 50'] 2. Discussion, Task [1 x 50'] 3. Response/Exercise [1 x 50']			10
7		2.	3.	4.			10
8	**Midterm Evaluation / Midterm Exam**						**50**
9 – 10		1.	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [2 x 50'] 2. Discussion, Task [1 x 50'] 3. Response [1 x 50']			20
11 – 12		1.	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [2 x 50'] 2. Discussion, Task [1 x 50'] 3. Response/exercise [1 x 50']			10
13 – 14		1.	1. Completeness of the material 2. Depth of explanation and	1. Lecture [2 x 50'] 2. Discussion, Task [1 x 50'] 3. Response/exercise [1 x 50']			10

			effectiveness of communication				
15		1.	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [1 x 50'] 2. Discussion, Task [1 x 50']			10
16	**Final Semester Evaluation / Final Semester Examination**						**100**