

SEMESTER COURSE PLAN

**COASTAL AND MARINE MANAGEMENT (P3) COURSES
(23H06132402)**



TEACHING TEAM

Prof. Dr. Eng. Amiruddin, S.Si, M.Si.
197205151997021002

STUDI PROGRAM OF GEOPHYSICS - S1
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
HASANUDDIN UNIVERSITY
MAKASSAR
2025

**STUDY PROGRAM OF GEOFISIKA - S1
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
HASANUDDIN UNIVERSITY**

Vision

Become a program Reliable studies in the field of geophysics to produce superior graduates and mastering science, technology, arts and culture based on BMI in 2030.

Vision Strategy

Mission

Based on the Vision above, the Geophysics Study Program has a mission:

1. Improving the quality of education to produce graduates who are competitive, able to work independently and in groups in implementing and developing BMI science and technology;
2. Carrying out research to produce reliable and competitive scientific work oriented towards the scientific development of solid geophysics, marine geophysics, geoinformatics and hydro-meteorology;
3. Disseminate the results of applied research, action studies and appropriate technology packages in synergistic and accelerated productive activities to improve the quality of life of the community.

Graduate Profiles

Educators in the Field of Geophysics; meteorologist; geomaths; oceanographer; exploration geophysicist; seismologist ; geophysical entrepreneur.

PLO charged to courses

CPL-7 (P4) - Master the principles and current issues of natural disasters and how to mitigate disaster risks

CPL-13 (KK3) - Able to formulate alternative solutions to solve disaster mitigation problems by taking into account public safety, social and environmental factors

Course Learning Outcomes (CLO)

CPMK-1: Master the concepts and definitions of management, utilization and development of coastal and marine areas integrated and sustainable (CPL7)

CPMK-2: Understand zoning for managing coastal and marine areas (CPL7)

CPMK-3: Able to analyze the concept of control rights for coastal waters and small islands (CPL13)

CPMK-4: Able to analyze sediment transport in coastal waters and small islands (CPL13)

Sub-CLO

Sub CPMK-1: Students are able to describe the concepts and definitions of management, utilization and regional development coast and sea in an integrated and sustainable manner (CPMK-1)

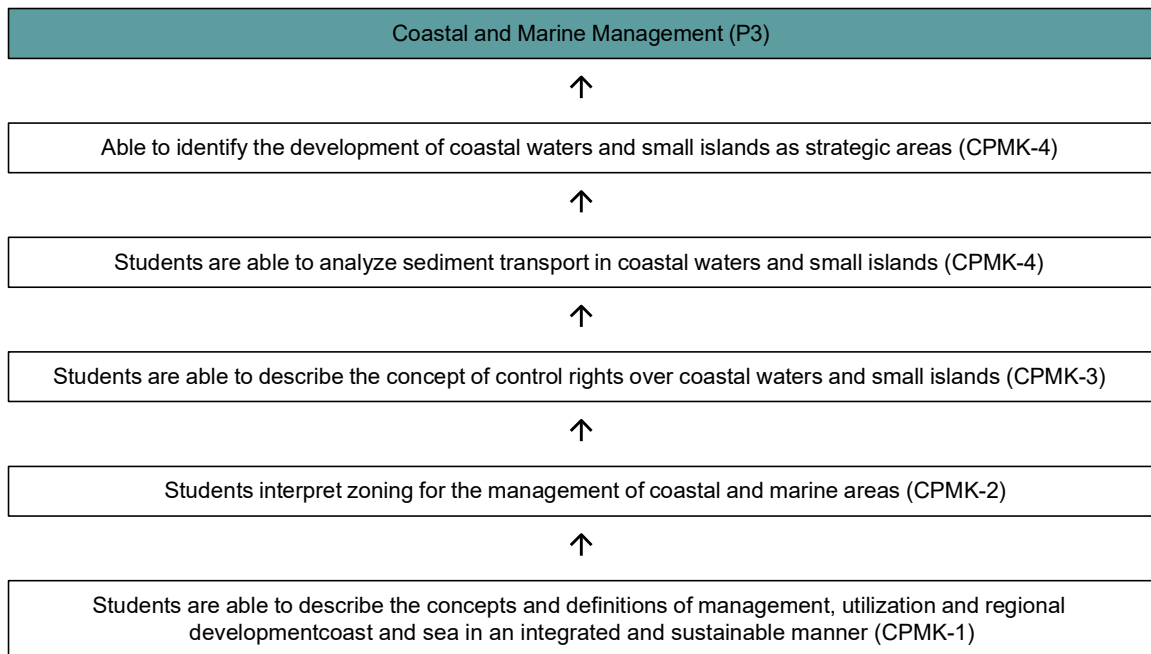
Sub CPMK-2: Students interpret zoning for the management of coastal and marine areas (CPMK-2)

Sub CPMK-3: Students are able to describe the concept of control rights over coastal waters and small islands (CPMK-3)

Sub CPMK-4: Students are able to analyze sediment transport in coastal waters and small islands (CPMK-4)

Sub CPMK-5: Able to identify the development of coastal waters and small islands as strategic areas (CPMK-4)

Learning Analytics





HASANUDDIN UNIVERSITY
FAKULTY OF MATHEMATICS AND NATURAL SCIENCES
STUDY PROGRAM OF GEOPHYSICS - S1
SEMESTER LEARNING PLAN

Course		Code	Course Group	Credits	SEMESTER	Compilation Date
Coastal and Marine Management (P3)		23H06132402		2	5	1 Juli 2025
AUTHORITY		SLP Developer Lecturer		Coordinator		Head of Study Program
		Prof. Dr. Eng. Amiruddin, S.Si, M.Si.		Prof. Dr. Eng. Amiruddin, S.Si, M.Si.		Dr. Muhammad Alimuddin, Eng.
Learning Outcomes Course	SLOs that are imposed on the course					
	SLO-7:	Menguasai prinsip dan issue terkini bencana alam dan bagaimana memitigasi resiko bencana				
	SLO-13:	Mampu merumuskan alternatif solusi untuk menyelesaikan masalah mitigasi bencana dengan memperhatikan faktor-faktor keselamatan publik, sosial dan lingkungan				
	SLO ⇒ Course Learning Outcomes					
	After completing this course, it is expected:					
	SLO-7	CLO-1: Master the concepts and definitions of management, utilization and development of coastal and marine areasintegrated and sustainable				
		CLO-2: Understand zoning for managing coastal and marine areas				
	SLO-13	CLO-3: Able to analyze the concept of control rights for coastal waters and small islands				
		CLO-4: Able to analyze sediment transport in coastal waters and small islands				
	CLO ⇒ Sub-CLO					
	CLO-1	Sub-CLO-1:Students are able to describe the concepts and definitions of management, utilization and regional developmentcoast and sea in an integrated and sustainable manner				
	CLO-2	Sub-CLO-2:Students interpret zoning for the management of coastal and marine areas				
	CLO-3	Sub-CLO-3:Students are able to describe the concept of control rights over coastal waters and small islands				
	CLO-4	Sub-CLO-4:Students are able to analyze sediment transport in coastal waters and small islands				
		Sub-CLO-5:Able to identify the development of coastal waters and small islands as strategic areas				
	Correlation between SLOs/CLOs to Sub-CLOs					

SLOs that are charged on the Course	CPMK	SUB CPMK	Form of Assessment*		Weight	Value	Student Score
			Formative	Sumative			
				Project/Case Study			
SLO-7	CLO-1	SUB-CLO-1	Technique: Participation Assessment Criteria: Rubric System	15	15		
SLO-7	CLO-2	SUB-CLO-2	Technique: Participation Assessment Criteria: Rubric System	20	20		
SLO-13	CLO-3	SUB-CLO-3	Technique: Participation Assessment Criteria: Rubric System	20	20		
SLO-13	CLO-4	SUB-CLO-4	Technique: Participation Assessment Criteria: Rubric System	20	20		
SLO-13	CLO-4	SUB-CLO-5	Technique: Participation Assessment Criteria: Rubric System	25	25		
				100	100		
Course Description	Coastal and Marine Management is a strategic approach to managing and protecting coastal and marine ecosystems and related resources. The main goal is to promote ecological, social and economic sustainability in coastal and marine areas.						
Learning Materials/Subjects	1. Coastal and marine area management 2. Coastal and marine area development policy 3. Potential and Problems in the development of coastal and marine areas 4. Utilization and arrangement of small islands and surrounding waters 5. Physical conditions of coastal waters and small islands 6. Transport of sediment in coastal waters and small islands 7. Development of coastal waters and small islands as strategic areas						
Reference	Main References						
	Dahuri, R., Jacob Rais, Sapta Putra Ginting, and M.J. Sitepu. 2001. Integrated Management of Coastal and Ocean Resources. PT Pradnya Paramita, Jakarta						
	Additional References						
	-						
Teaching Team	Prof. Dr. Eng. Amiruddin, S.Si, M.Si.						
Course requirement							
Week	Sub CPMK (End-of-stage learning ability)		Penilaian (Assesment)	Learning Forms and Methods [time estimate]	Content		Weight of Assessment (%)

		Indicator	Techniques & Criteria	Offline	Online		
1	2	3	4	5	6	7	8
1-3	Students are able to describe the concepts and definitions of management, utilization and regional developmentcoast and sea in an integrated and sustainable manner (CPMK-1)	Formative: Accuracy in analyzing and explaining and making conclusions Sumative: -	Formative Criteria: Technique: Participation Assessment Criteria: Rubric System Sumative Criteria: Project/Case Study (15) Assessment Technique: Non Test	Studying: Case Study, Project-Based Learning Lectures, discussions and practicums None		Introduction to Coastal and Marine Management	15
4-6	Students interpret zoning for the management of coastal and marine areas (CPMK-2)	Formative: Accuracy in analyzing and explaining and making conclusions Sumative: -	Formative Criteria: Technique: Participation Assessment Criteria: Rubric System Sumative Criteria: Project/Case Study (20) Assessment Technique: Non Test	Studying: Project-Based Learning (Project-based Learning) Lectures, discussions and practicums None		Basic concepts of coastal and marine management processes	20

7-8	Students are able to describe the concept of control rights over coastal waters and small islands (CPMK-3)	Formative: Accuracy in analyzing and explaining and making conclusions Sumative: -	Formative Criteria: Technique: Participation Assessment Criteria: Rubric System Sumative Criteria: Project/Case Study (20) Assessment Technique: Non Test	Studying: Case Study, Project-Based Learning Lectures, discussions and practicals None		Zoning for coastal and marine area management	20
9-12	Students are able to analyze sediment transport in coastal waters and small islands (CPMK-4)	Formative: Accuracy in analyzing and explaining and making conclusions Sumative: -	Formative Criteria: Technique: Participation Assessment Criteria: Rubric System Sumative Criteria: Project/Case Study (20) Assessment Technique: Non Test	Studying: Case Study, Project-Based Learning Lectures, discussions and practicum None		Coastal and marine development policies	20
13-16	Able to identify the development of coastal waters and small islands as strategic areas (CPMK-4)	Formative: Accuracy in analyzing and explaining and making conclusions Sumative: -	Formative Criteria: Technique: Participation Assessment Criteria: Rubric System Sumative Criteria: Project/Case Study (25) Assessment Technique: Non Test	Studying: Case Study, Project-Based Learning Lectures, discussions and practicum None		-	25

Matrix of SLO, CLO, and Assessment Method

SLO / CLO	CLO-1	CLO-2	CLO-3	CLO-4
CPL-7 (P4)	Project/Case Study (Weight 15%)	Project/Case Study (Weight 20%)		
CPL-13 (KK3)			Project/Case Study (Weight 20%)	Project/Case Study (Weight 20%) Project/Case Study (Weight 25%)

Evaluation Type and Assessment Weight

Type	Assessment Weight
Project/Case Study	100
Total	100

Assessment and Evaluation of Student Achievement of CLOs

SLOs that are charged on the Course	CLO	SUB CLO	Form of Assessment*		Weight	Value	Student Score
			Formative	Sumative			
				Project/Case Study			
SLO-7	CLO-1	SUB-CLO-1	Technique: Participation Assessment Criteria: Rubric System	15	15		
SLO-7	CLO-2	SUB-CLO-2	Technique: Participation Assessment Criteria: Rubric System	20	20		
SLO-13	CLO-3	SUB-CLO-3	Technique: Participation Assessment Criteria: Rubric System	20	20		
SLO-13	CLO-4	SUB-CLO-4	Technique: Participation Assessment Criteria: Rubric System	20	20		
SLO-13	CLO-4	SUB-CLO-5	Technique: Participation Assessment Criteria: Rubric System	25	25		
				100	100		

