



BUKU PEDOMAN MATA KULIAH *COURSES MODULE HANDBOOK*

PENGELOLAAN WILAYAH PESISIR DAN LAUT LANJUT
ADVANCED COASTAL ZONE AND MARINE MANAGEMENT

DEPARTEMEN TEKNIK GEOMATIKA
Fakultas Teknik Sipil, Perencanaan, dan Kebumihan

DEPARTMENT OF GEOMATICS ENGINEERING
Faculty of Civil Engineering, Planning, and Geo Engineering

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

29. Pengelolaan Wilayah Pesisir dan Laut Lanjut / *Advanced Coastal Zone and Marine Management*

Nama modul <i>Module name</i>	Pengelolaan Wilayah Pesisir dan Laut Lanjut <i>Advanced Coastal Zone and Marine Management</i>
Tingkatan <i>Module level</i>	Pasca Sarjana (S2) <i>Master Degree</i>
Kode <i>Code</i>	CM235806
Mata kuliah <i>Course</i>	Pengelolaan Wilayah Pesisir dan Laut Lanjut <i>Advanced Coastal Zone and Marine Management</i>
Semester <i>Semester</i>	III (tiga) atau IV (empat) <i>III (three) or IV (four)</i>
Penanggung jawab mata kuliah <i>Person responsible for the module</i>	Danar Guruh Pratomo, S.T., M.T., Ph.D.
Dosen <i>Lecturer</i>	Danar Guruh Pratomo, S.T., M.T., Ph.D.
Bahasa <i>Language</i>	Bahasa Indonesia dan Bahasa Inggris <i>Indonesian and English</i>
Relasi pada kurikulum <i>Relation to curriculum</i>	Mata kuliah pilihan untuk Program Master Teknik Geomatika <i>Elective Courses for Master of Geomatics Engineering</i>
Tipe pertemuan, jam tatap muka <i>Type of teaching, contact hours</i>	Kuliah, 1.67 jam x 16 minggu per semester <i>Lecture, 1.67 hours x 16 weeks per semester</i>
Beban belajar <i>Workload</i>	<p>Kuliah: 1.67 jam x 14 minggu = 23.38 jam Penugasan terstruktur: 2 jam x 14 minggu = 28 jam Kegiatan mandiri: 2 jam x 14 minggu = 28 jam Ujian: 1.67 jam x 2 kali = 3.34 jam Paper review: 2.83 jam x 14 = 39.62 Studi Case-based: 2.83 jam x 14 = 39.62 Total = 161.96 jam</p> <p><i>Lecture: 1.67 hours x 14 weeks = 23.38 hours</i> <i>Structured exercises and assignments: 2 hours x 14 weeks = 28 hours</i> <i>Independent activities: 2 hours x 14 weeks = 28 hours</i> <i>Exam: 1.67 hours x 2 time = 3.34 hours</i> <i>Paper review: 2.83 jam x 14 = 39.62</i> <i>Case-based study: 2.83 jam x 14 = 39.62</i> <i>Total = 161.96 hours</i></p>
Kredit <i>Credits</i>	2 SKS + 2 SKS tambahan beban <i>2 credits + 2 credits additional activities</i>

<p>Persyaratan sesuai dengan peraturan ujian <i>Requirements according to the examination regulations</i></p>	<p>Minimum 80% kehadiran untuk mengikuti ujian tertulis <i>Minimum 80% attendance in this course in order to take the exams</i></p>
<p>Deskripsi Mata Kuliah <i>Description of Course</i></p>	<p>Mata kuliah ini memberikan serta membahas proses, metode (membangun & mengimplementasikan) perencanaan dan pengelolaan kegiatan di wilayah pantai. Konsep kunci & teknik perencanaan serta pengelolaan pesisir akan dipelajari di mata kuliah ini. Contoh pengelolaan wilayah peisir juga disajikan dalam mata kuliah ini dengan memperkenalkan serta mempelajari pengalaman dari Indonesia, negara-negara Asia Tenggara, dan negara-negara lain terutama dalam hal pengelolaan pesisir berkelanjutan. <i>This course provides and discusses processes, methods (building & implementing) planning and managing activities in coastal areas. Key concepts & techniques for coastal planning and management will be studied in this course. Examples of coastal area management are also presented in this course by introducing and studying experiences from Indonesia, Southeast Asian countries and other countries, especially in terms of sustainable coastal management.</i></p>
<p>Capaian Pembelajaran / Course Learning Outcomes</p>	<ol style="list-style-type: none"> 1. Mampu menjelaskan wilayah pesisir, definisi, sifat area pesisir, dan sejarah singkat pengelolaan pesisir. 2. Mampu menjelaskan dan menunjukkan contoh Isu Pengelolaan Pesisir: pertumbuhan penduduk; pemanfaat pesisir; dampak pemanfaatan pesisir oleh masyarakat; isu administratif di wilayah pesisir; serta con-toh permasalahan wilayah pesisir di Indonesia maupun negara lain. 3. Mampu menjelaskan peran pemerintah nasional, provinsi, atau daerah dalam pengelolaan aktivitas di pesisir Indonesia. 4. Mampu menjelaskan langkah utama dan langkah penting dalam proses perencanaan pengelolaan wilayah pesisir. 5. Mampu memberikan contoh strategi manajemen aktivitas di pesisir di negara Indonesia dan negara asing. 6. Mampu menerapkan konsep proses perencanaan & pengelolaan pesisir dalam program peren-canaan & pengelolaan pesisir nasional/provinsi serta aspek legal yang menyertainya. 7. Mampu menjelaskan pengetahuan tentang

<p><i>Module objectives/ Course learning outcomes</i></p>	<p>perkembangan saat ini dalam praktek perencanaan & pengelolaan pesisir yang berkelanjutan terutama dalam fokus sosio-ekonomi.</p> <p>8. Mampu menjelaskan & melakukan riset penting saat ini dalam bidang perencanaan & pengelolaan pesisir.</p> <ol style="list-style-type: none"> 1. <i>Able to explain coastal areas, definitions, characteristics of coastal areas, and a brief history of coastal management.</i> 2. <i>Able to explain and show examples of Coastal Management Issues: population growth; coastal users; impact of coastal use by the community; administrative issues in coastal areas; as well as examples of coastal area problems in Indonesia and other countries.</i> 3. <i>Able to explain the role of national, provincial or regional governments in managing activities on Indonesian coasts.</i> 4. <i>Able to explain the main steps and important steps in the coastal area management planning process.</i> 5. <i>Able to provide examples of coastal activity management strategies in Indonesia and foreign countries.</i> 6. <i>Able to apply the concept of coastal planning & management processes in national/provincial coastal planning & management programs as well as the legal aspects that accompany them.</i> 7. <i>Able to explain knowledge about current developments in sustainable coastal planning & management practices, especially in a socio-economic focus.</i> 8. <i>Able to explain and carry out important current research in the field of coastal planning & management.</i> 																																																																																										
<p>CPMK dan hubungan dengan CPL Prodi <i>Learning outcomes and their corresponding to PLOs</i></p>	<table border="1" data-bbox="692 1597 1283 1984"> <thead> <tr> <th></th> <th>PLO.1</th> <th>PLO.2</th> <th>PLO.3</th> <th>PLO.4</th> <th>PLO.5</th> <th>PLO.6</th> <th>PLO.7</th> <th>PLO.8</th> <th>PLO.9</th> </tr> </thead> <tbody> <tr> <td>CLO.1</td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CLO.2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CLO.3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td>CLO.4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td>CLO.5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>CLO.6</td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CLO.7</td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CLO.8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> </tr> </tbody> </table>		PLO.1	PLO.2	PLO.3	PLO.4	PLO.5	PLO.6	PLO.7	PLO.8	PLO.9	CLO.1					✓					CLO.2						✓				CLO.3								✓		CLO.4						✓		✓		CLO.5						✓	✓			CLO.6					✓					CLO.7					✓	✓				CLO.8							✓		
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<p>Mata kuliah wajib prasyarat <i>Mandatory prerequisites</i></p>	-									
<p>Pokok Bahasan</p> <p><i>Content</i></p>	<ol style="list-style-type: none"> 1. Definisi dan karakteristik wilayah pesisir dan laut. 2. Pentingnya pengelolaan wilayah pesisir dan laut. 3. Isu terkini pengelolaan wilayah pesisir dan laut di Indonesia. 4. Dampak perubahan iklim terhadap pengelolaan wilayah laut dan pesisir. 5. Definisi Sea Level Rise dan dampaknya terhadap pengelolaan wilayah laut dan pesisir. 6. Konsep Dasar Manajemen Perencanaan dan Pengelolaan Wilayah Pesisir dan Laut. 7. Aspek socio-ekonomi dalam Pengelolaan Wilayah Laut dan pesisir 8. Aspek legal dalam Pengelolaan Wilayah Laut dan pesisir. 9. Pemetaan dan manajemen data untuk pengelolaan wilayah pesisir dan laut <ol style="list-style-type: none"> 1. <i>Definition and characteristics of coastal and marine areas.</i> 2. <i>The importance of managing coastal and marine areas.</i> 3. <i>Current issues in coastal and marine area management in Indonesia.</i> 4. <i>The impact of climate change on the management of marine and coastal areas.</i> 5. <i>Definition of Sea Level Rise and its impact on marine and coastal area management</i> 6. <i>Basic Management Concepts for Planning and Management of Coastal and Marine Areas.</i> 7. <i>The socio-economic aspects of marine and coastal area management.</i> 8. <i>The legal aspects of marine and coastal area management.</i> 9. <i>Mapping and data management for managing coastal and marine areas.</i> 									
<p>Pembelajaran dan Persyaratan Ujian <i>Study and examination requirements and forms of examination</i></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Rencana Evaluasi</th> <th style="text-align: center;">Bobot Weight</th> </tr> </thead> <tbody> <tr> <td>Kuis 1 <i>Quiz 1</i></td> <td style="text-align: center;">8%</td> </tr> <tr> <td>Tugas 1 <i>Assignment 1</i></td> <td style="text-align: center;">4%</td> </tr> <tr> <td>Tugas 2 <i>Assignment 2</i></td> <td style="text-align: center;">16%</td> </tr> </tbody> </table>		Rencana Evaluasi	Bobot Weight	Kuis 1 <i>Quiz 1</i>	8%	Tugas 1 <i>Assignment 1</i>	4%	Tugas 2 <i>Assignment 2</i>	16%
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	Evaluasi Tengah Semester <i>Middle Term Examination</i>	25%
	Kuis 2 <i>Quiz 2</i>	7%
	Tugas 3 <i>Assignment 3</i>	5%
	Evaluasi Akhir Semester <i>Final Term Examination</i>	35%
Media yang digunakan <i>Media employed</i>	Classical teaching tools with white board and power point presentation	
Daftar Pustaka <i>Reading list</i>		