

<b>Course</b>	<b>Course Name</b>	Applied Coastal Planning
	<b>Course Code</b>	DK184602
	<b>Credit</b>	4
	<b>Semester</b>	VI

<b>Description of Course</b>
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Students are able to accomplish the technical indicators in planning coastal area and able to make planning of structure and pattern of spatial in coastal area, spatial allocation, formulate the programs for development appropriately in coastal area to achieve sustainable development

<b>Learning Outcomes</b>
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<b>Knowledge</b>	<ol style="list-style-type: none"> <li>1. Mastering the theoretical concept of urban and regional planning in the aspects of urban studies, regional studies, spatial science, data science &amp; computer application, socio-political, environmental management, built environment design, infrastructure and transportation system, coastal studies, management, economics.</li> <li>2. Mastering the techniques and processes of urban and regional planning in qualitative, quantitative, spatial modeling (geographic information systems) and presentation techniques.</li> <li>3. Mastering the methods of spatial/aspatial planning in decision-making.</li> </ol>
<b>Specific Skill</b>	<ol style="list-style-type: none"> <li>1. Able to compile the planning concept and direction of the plan through the study of strategic issues in the context of urban, regional, and coastal planning problems with understanding through observation and utilization of the data of physical/spatial, social, economic and environmental.</li> <li>2. Able to utilize ICT in the management of data to produce information that is easily understood by the public and the decision makers.</li> <li>3. Able to describe the spatial characteristics of</li> </ol>

	<p>urban, regional and coastal area through the linkage analyze of spatial and aspatial aspects so that provide the information as the basis for drawing up planning model</p> <ol style="list-style-type: none"> <li>4. Able to compile an alternative spatial model through a qualitative and quantitative approach in the form of scenarios setting the pattern of space and structure of urban, regional, and coastal area as well as propose the appropriate solutions</li> <li>5. Able to produce a creative, innovative, sustainability spatial plan which the results are well researched against the rules and theory of planning and mengkomunikasikannya are visual, verbal and written, which can be accountable academically.</li> </ol>
<p><b>General Skill</b></p>	<ol style="list-style-type: none"> <li>1. Able to apply logical, critical, systematic, and innovative thinking in the context of development or implementation of science and technology by considering and applying the suitable value of humanities in accordance with their expertise</li> <li>2. Able to demonstrate independent, quality and scalable performance</li> <li>3. Able to examine the implications of the development or implementation of science and technology by considering and applying the suitable value of humanities in accordance with their expertise based on rules, procedures and the scientific ethic in order to produce solutions, ideas, design or art critique</li> <li>4. Able to compile the scientific description of the results of the study in the form of a thesis or final project reports, and upload it in the College page</li> <li>5. Able to take an appropriate decision in the context of problems solving in the field of their expertise based on the results of the information and data analyze</li> <li>6. Able to take responsibility of the working</li> </ol>

	<p>group result and supervision as well as evaluation of the completion of the work assigned to the workers who are under the responsibility</p> <ol style="list-style-type: none"> <li>7. Able to do the process of self-evaluation against the working group under its responsibility and able to manage independently learning</li> <li>8. Able to do documenting, storing, securing, and finding back the data to ensure the validity and prevent plagiarism</li> </ol>
<b>Attitude</b>	<ol style="list-style-type: none"> <li>1. Duty to God Almighty and is able to show the attitude of religious</li> <li>2. Uphold the human values in carrying out tasks based on religion, morals, and ethics</li> <li>3. Contribute to the improvement of quality of life of society, a nation, a country, and the progress of civilization based on Pancasila</li> <li>4. Role as citizens who are proud and love the motherland, have the nationalism and a sense of responsibility to the State and the nation</li> <li>5. Appreciate cultural diversity, views, religion, and belief, as well as original findings or opinions of others</li> <li>6. Work together and have the social sensitivity and concern for society and the environment</li> <li>7. Obey the law and discipline in the life of society and State</li> <li>8. Internalize the values, norms, and academic ethics</li> <li>9. Shows an attitude of being responsible for the work in the field of his expertise independently</li> </ol>
<b>Course Learning Outcomes</b>	
<b>Knowledge</b>	<ol style="list-style-type: none"> <li>1. Technical indicators of success in coastal area planning</li> <li>2. Concepts of planning or relevant issues in coastal planning</li> <li>3. Planning document/product in coastal and sea planning in Indonesia</li> </ol>

	<ol style="list-style-type: none"> <li>4. Determination of spatial structure and pattern</li> <li>5. Planning of public utilization zone</li> <li>6. Planning of conservation zone</li> <li>7. Planning of plot zone</li> <li>8. Planning of KSNT (Kawasan Strategis Nasional Tertentu)</li> </ol>
<b>Spesific Skill</b>	-
<b>General Skill</b>	-
<b>Main Subject Learning Outcomes</b>	
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<b>Main Subject</b>	
<ol style="list-style-type: none"> <li>1. Theory and concept of coastal; theory and concept of coastal planning</li> <li>2. Approach and procedure in coastal planning</li> <li>3. Analysis technique in coastal planning</li> <li>4. Scenario formula in coastal planning</li> <li>5. 5. Prescription on formulizing coastal plannig</li> </ol>	
<b>Prerequisite</b>	
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<b>References</b>	
<ol style="list-style-type: none"> <li>1. Pamungkas, Rahmawati (2016). <i>Diktat Perencanaan Pesisir</i>. PWK-ITS.</li> <li>2. Santoso, Pratiwi, Rahmawati, Navitas (2012). <i>Diktat Perencanaan Kawasan Pesisir</i> 3. PWK – ITS.</li> <li>3. Diposaptono, Soebandono (2016). <i>Membangun Poros Maritim Dunia: Dalam Perspektif Tata Ruang Laut</i>. Kementerian Kelautan dan Perikan Republik Indonesia.</li> <li>4. Ahlhorn, Frank (2009), <i>Long-Term Perspective in Coastal Zone Development Multifunctional Coastal Protection Zones</i>, Springer, Heidelberg</li> <li>5. Baker, L and P. Kaeoniam (Eds) (1986), <i>Manual of Coastal Development Planning and Management for Thailand</i>, Unesco, Jakarta.</li> <li>6. Bartlett, Darius and Jennifer Smith, eds (2005), <i>GIS for Coastal Zone Management</i>, CRC Press, London.</li> </ol>	

7. Cicin-Sain, Biliana and Robert W. Knecht. *Integrated coastal and ocean management : concepts and practices*, Island Press, Washington, DC
8. Dahuri, Rokhmin, et al (1996), *Pengelolaan Sumberdaya Wilayah Pesisir dan Lautan Secara Terpadu*, Pradnya Paramita, Jakarta.
9. Jacob, Rais dkk ( 2004), *Menata Ruang Laut Terpadu*, PT Pradnya Paramita, Jakarta.
10. Kay, Robert dan Jacqueline Alder (1999), *Coastal Planning and Management*, Spon Press, London and New York.
11. UNEP/IUCN (1998), *A Comon Methodological Framework for Integrated Planning and Management in Mediteranian Coastal Areas*, UNEP-PAP/EM.5/2.19P+APP.
12. UNESCO (1997), *Methodological Guide to Integrated Coastal Zone Management*, Intergovernmental Oceanographic Commision.
13. UU No. 27 / 2007 jo UU No. 1 / 2014 mengenai Pengelolaan Pesisir dan Pulau-Pulau Kecil.
14. UU No.23 / 2014 mengenai Pemerintahan Daerah