

Course	Course Name	Coastal Planning
	Course Code	DK184502
	Credit	3
	Semester	V

Description of Course

Competence of this course is able to explain the delineation and characteristics of coastal areas, able to explain the concepts and procedures of integrated coastal planning and small islands, able to analysis various types and stages of planning in cases of coastal development planning

Learning Outcomes

Knowledge	<ol style="list-style-type: none"> 1.1 Mastering the theoretical concept of urban and regional planning in the aspects of urban studies, regional studies, spatial science, data science & computer application, socio-political, environmental management, built environment design, infrastructure and transportation system, coastal studies, management, economics. 1.2 Mastering the techniques and processes of urban and regional planning in qualitative, quantitative, spatial modeling (geographic information systems) and presentation techniques. 1.3 Mastering the methods of spatial/aspatial planning in decision-making.
Specific Skill	<ol style="list-style-type: none"> 2.1 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. 2.2 Able to utilize ICT in the management of data to produce information that is easily understood by the public and the decision makers. 2.3 Able to describe the spatial characteristics of urban, regional and coastal area through the linkage analysis of spatial and aspatial aspects so that provide the information as the basis for drawing up planning model

<p>General Skill</p>	<p>3.1 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</p> <p>3.2 Able to demonstrate independent, quality and scalable performance</p> <p>3.4 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</p> <p>3.7 Able to take responsibility of the working group result and supervision as well as evaluation of the completion of the work assigned to the workers who are under the responsibility</p> <p>3.8 Able to do the process of self-evaluation against the working group under its responsibility and able to manage independently learning</p> <p>3.9 Able to do documenting, storing, securing, and finding back the data to ensure the validity and prevent plagiarism</p>
<p>Course Learning Outcomes</p>	
<ol style="list-style-type: none"> 1. Students are able to explain the understanding of coastal areas and small islands 2. Students are able to explain the characteristics of various coastal ecosystems and small islands 3. Students are able to explain the characteristics of oceanography and geomorphology of coastal areas and small islands 4. Students are able to utilize knowledge about the basics of coastal area planning and small islands for the sake of planning 5. Students are able to explain the concept, product, and area determination in coastal planning 6. Students are able to explain the legal basis and law related to coastal planning 7. Students are able to apply the consideration of ecosystem, oceanographic, geomorphological, social, economic, and environmental aspects in coastal planning 8. Students are able to analyze related main issues and involvement of stakeholders in coastal development 9. Students are able to analyze evaluation activities and monitoring coastal planning and apply lesson learned from various cases of coastal planning 	
<p>Main Subject</p>	

1. Coastal theory & concept; Theory and concept of coastal planning
2. Coastal planning approaches & procedures
3. Technique Analysis of coastal planning

Prerequisite

References

- Pamungkas, Adjie dan Rahmawati, Dian (2017). Perencanaan Kawasan Pesisir Terpadu di Indonesia: Teori dan Praktek. Teknosain.
- Baker, L dan P. Kaeoniam. (1986). Manual of Coastal Development Planning and Management for Thailand. Unesco.Jakarta.
- Beatley, J. et. al. (1994). An Introduction to Coastal Zones Management. Island Press. Washington. D.C.
- Tuwo, Ambo (2011). Pengelolaan Ekowisata Pesisir dan Laut. Brillian Internasional. Surabaya.
- Dahuri, Rokhmin, et al (1996), Pengelolaan Sumberdaya Wilayah Pesisir dan Lautan Secara Terpadu, Pradnya Paramita, Jakarta.
- Kleppel, GS., DeVoe, MR., and Rawson, MV. Eds. (2006). Changing Land Use Patterns in the Coastal Zone, Springer, New York.
- Ramanathan, et al, eds. (2010). Management and Sustainable Development of Coastal Zone Environments, Springer, New York, NY.
- Robin Davidson-Arnott, (2010), An Introduction to Coastal Processes and Geomorphology, Cambridge University Press, Cambridge, UK
- • Marta Vannucci, ed. (2004). Mangrove management and conservation: present and future, United Nations University Press, Tokyo.