

Course	Course Name	Research Methods
	Course Code	DK184506
	Credit	3
	Semester	V

Description of Course	
Provide an understanding of the flow of thinking to a research methodology which has a discussion of the basic principles of research, literature analysis, comparing relevant cases, understanding analytical methods and related analytical techniques.	
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.
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
General Skill	<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>3.3 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</p> <p>3.6 Being able to maintain and develop the network with supervisor and colleagues both inside and outside the institution</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>4.1 Duty to God Almighty and is able to show the attitude of religious</p> <p>4.2 Uphold the human values in carrying out tasks based on religion, morals, and ethics</p> <p>4.3 Contribute to the improvement of quality of life of society, a nation, a country, and the progress of civilization based on Pancasila</p>

	<p>4.4 Role as citizens who are proud and love the motherland, have the nationalism and a sense of responsibility to the State and the nation</p> <p>4.5 Appreciate cultural diversity, views, religion, and belief, as well as original findings or opinions of others</p> <p>4.6 Work together and have the social sensitivity and concern for society and the environment</p> <p>4.7 Obey the law and discipline in the life of society and State</p> <p>4.8 Internalize the values, norms, and academic ethics</p> <p>4.9 Shows an attitude of being responsible for the work in the field of his expertise independently</p>
Course Learning Outcomes	
<ol style="list-style-type: none"> 1. Able to explain basic principles of research 2. Able to formulate problems, objectives, and systematic research 3. Able to conduct studies and syntheses from relevant literature and research cases 4. Able to apply methods in research and appropriate analytical techniques 5. Able to prepare research proposals and reports 	
Main Subject	
<ol style="list-style-type: none"> 1. Philosophy of science / Nature of research 2. Understanding the types of research 3. Principles of preparation of proposals and research 4. Design research: Techniques of data retrieval and data analysis 5. Ethics of writing scientific papers 	
Prerequisite	
References	
<ol style="list-style-type: none"> 1. Bernard, H. Russell (2000). <i>Social Research Methods: Qualitative and Quantitative Approaches</i>, Sage Publication Inc, USA. 	
<ol style="list-style-type: none"> 2. Arikunto, Suharsimi (2002), <i>Prosedur Penelitian: Suatu Pendekatan Praktek</i>, Rineka Cipta, Jakarta. 	
<ol style="list-style-type: none"> 3. Koentjaraningrat (1997). <i>Metode-Metode Penelitian Masyarakat</i>, Gramedia, Jakarta. 	

4.	Brannen, Julia (1997). <i>Memadu Metode Penelitian Kualitatif & Kuantitatif</i> . Pustaka Perajar, Yogyakarta.
5.	Suriasumantri, Jujun,S (1994). <i>Ilmu Dalam Perspektif</i> , Yayasan Obor Indonesia
6.	Singarimbun,Masri dan Effendi,Sofian (1995). <i>Metode Penelitian Survai</i> , PT. Pustaka LP3ES, Jakarta.
7.	Djunaedi,Achmad (2000). <i>Metodologi Penelitian</i> . Program Pasca Sarjana UGM Yogyakarta.
8.	Rimadewi, Dkk.(2013). <i>Diktat Metodologi Penelitian</i> . Kualitatif. PWK-ITS