

Course	Course Name	Urban Transportation Management
	Course Code	DK184719
	Credit	3
	Semester	VIII

Description of Course

This subject give an understanding about many approach and concept in urban transportation management through a discussion of transportation management, management based on demand and supply, intelligent of transportation system, as well as various cases of transportation management in the relevant urban areas.

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.

	<p>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> <p>2.5 Able to produce creative, innovative, sustainable, and accommodating public interest plans whose results are reviewed on the rules and theories of planning and communicating them visually, verbally and in writing so that can be accounted for academically.</p>
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>3.3 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>3.5 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</p>
Course Learning Outcomes	
Knowledge	<p>1. Students are able to apply the principles of transportation management in understanding the problems of urban, regional, and coastal transportation.</p> <p>2. Students are able to adapt transportation policy to influence transportation demand that can be applied to overcome urban transportation problems in Indonesia</p> <p>3. Students are able to adapt transportation policy to influence transportation supply that can be</p>

	<p>applied to overcome urban transportation problems in Indonesia</p>
Specific Skill	<ol style="list-style-type: none"> 1. Students are able to think logically, critically, and innovative in the context of development and implementation of science and technologies that considering and applying humanities value that suits the area of expertise. 2. Students are able to identify solution of traffic management from land use and transportation aspect from understanding of ANDAL procedure 3. Students are able to communicate verbally, visually, and written by using ICT
General Skill	<ol style="list-style-type: none"> 1. Students are able to apply logical, critical, systematical, and innovative thinking in the context of development and implementation of science and technology that considering and applying humanities science which suits area of expertise 2. Students are able to make decisions appropriately in the context of problem solving in the area of expertise by analyzing information and data 3. Able to reviewing the implication of development or implementation of science and technology that pay attention and applying humanities science which suites the area of expertise based on rules, theories, and scientific ethics in order to creating solution, idea, design, or art criticism.
Main Subject Learning Outcomes	
<ol style="list-style-type: none"> 1. Students are able to understand the principal and basic concept of urban transportation management 2. Students are able to adapt transportation policy options to influence the behavior of transport demand that can be applied to overcome the problems of urban transportation in Indonesia 3. Students are able to adapt selection of transportation policy to influence transportation demand that can be applied to solve urban transportation problem in Indonesia 	

4. Students are able to understand selection of transportation policy to influence transportation supply
5. Students are able to adapt selection of transportation policy to influence transportation supply that can be applied to solve urban transportation problem in Indonesia
6. Students are able to understand principles of transportation facility and utility management in Indonesia
7. Students are able to understand problem of transportation facility and utility management in Indonesia
8. Students are able to formulate strategy in public transportation area (train or bus), terminal/station, and parking.
9. Student are able to understand the process and procedure of ANDAL as well as identifying strategy of AMDAL in the development of urban traffic condition.

Main Subject

1. Introduction to urban transportation management
2. Demand approach in urban transportation management
3. Supply approach in urban transportation management (technology to manage transportation problem)
4. Study case of public transportation management (train/bus), terminal/station/port/parking)
5. Regulation and institutional transportation in Indonesia: Analysis of traffic impact

Prerequisite

Transportation System, Transportation Planning

References

1. Ferguson, Erik 2000. Travel Demand Management and Public Policy. Ashgate.
2. Ewing, Reid. 1997. Transportation and Land Use Innovations. APA..
3. Tamin, Ofyar Z 1997. Perencanaan dan Pemodelan Transportasi. Penerbit ITB. Bandung,
4. Regional Cities Urban Transport. Traffic Management. DKI Jakarta Training.
5. Meyer, Michael D and Eric J. Miller 2001. Urban Transportation Planning. Second Edition. Mc Graw-Hill. Singapore.
6. Papacostas, Constantinos S and Panos D Prevedouros. Transportation Engineering and Planning. Pearson Prentice Hall. Honolulu.