

CP234753 – Urban Transport Management

Module Name	Urban Transport Management
Module level, if applicable	Advance BoURP
Code, if applicable	CP234753
Subtitle, if applicable	-
Course, if applicable	Urban Transport Management
Semester(s) in which the module is taught	7 th Semester
Person responsible for the module	Ketut Dewi Martha Erli Handayeni, S.T., M.T.
Lecturer	Ketut Dewi Martha Erli Handayeni, S.T., M.T. Siti Nurlaela, ST, M.COM, Ph.D
Language	Indonesian, English
Relation to curriculum	Electives Courses for undergraduate program in Urban and Regional Planning
Type of teaching, contact hours	M1: Group discussion M3: Case study M4: Collaborative learning Lecture (Face to face lecture): 2.5 hours x 14 weeks 35 hours per semester
Workload	Enrichment (3 SKS) Class: 2.5 hours x 14 weeks = 35 hours Structured activities: 4 hours x 14 weeks = 56 hours Independent Study: 3 hours x 14 weeks = 42 hours Exam: 1.5 hours x 4 time = 6 hours Total = 133 hours
Credit points	3 SKS ~ 4.8 ECTS
Requirements according to the examination regulations	Registered in this course Minimum 80% attendance in this course
Recommended prerequisites	Transportation System Transportation Planning Practice
Module objectives/intended learning outcomes	General Knowledge: 1. Able to understand theoretical concepts of urban and regional planning across various aspects, including urban studies, regional studies, coastal studies, spatial science, planning science, data science, built environment design, infrastructure and transportation systems, environmental management, social systems, economics, management studies, and research/projects.

	<ol style="list-style-type: none"> 2. Able to understand the spatial and non-spatial planning methods in decision-making within the field of urban and regional planning. 3. Able to analyze the potential and issue of both spatial and non-spatial contexts in urban, regional, and coastal areas through an analysis of interrelations between spatial and non-spatial aspects. 4. Able to formulate planning concepts and direction plans through the study of strategic issues within the context of urban, regional, and coastal areas with an understanding of planning issues through observations and utilization of physical/spatial, social, economic, and environmental data. <p>Specific knowledge:</p> <ol style="list-style-type: none"> 1. Students are able to adapt transportation policy choices to influence transportation behavior (demand) which can be applied to address urban transportation problems in Indonesia. 2. Students are able to adapt transportation policy choices to influence transportation supply that can be applied to address urban transportation problems in Indonesia. <p>Specific skills:</p> <ol style="list-style-type: none"> 1. Students able to compose management strategy for transportation issues in the sector of facilities and infrastructure 2. Students able to identify the solution of traffic management based on land use aspect through the understanding of ANDAL procedures
Content	<ol style="list-style-type: none"> 1. Urban transportation management introduction 2. Approach, definition, and strategy of voluntary demand management on urban transportation 3. Market demand management approaches, definitions, and strategies as well as mechanisms for implementing market demand management 4. Regulatory approaches, definitions and strategies for regulation demand management, and mechanisms for implementing regulation demand management 5. The link between supply and demand transportation as well as urban transportation problems, especially urban congestion 6. Introduction to Transportation Supply Management (TSM) 7. Application of MRL in Indonesia 8. Introduction of smart transportation or intelligent transportation system (ITS)

	<p>9. ITS and smart cities</p> <p>10. The concepts, basic principles, stages and procedures of ANDALALIN</p> <p>11. Transportation regulations and institutions in Indonesia: Analisis Dampak Lalu Lintas (Andalalin)</p>															
Study and examination requirements and forms of examination	<p>4 assessments:</p> <table border="1"> <thead> <tr> <th>Evaluation</th> <th>Method</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Weekly Presentation and Discussion</td> <td>20%</td> </tr> <tr> <td>2</td> <td>Critical Review</td> <td>30%</td> </tr> <tr> <td>3</td> <td>Report of Field Trip to SCC</td> <td>25%</td> </tr> <tr> <td>4</td> <td>Quiz</td> <td>25%</td> </tr> </tbody> </table> <p>1. <i>Weekly Presentation and Discussion - Week 3 up to week 8</i></p> <p>2. <i>Critical Review - week 7</i></p> <p>3. <i>Report of Field Trip to Surabaya Command Center (SCC) – week 11-12</i></p> <p>4. <i>Quiz – week 16</i></p>	Evaluation	Method	Weight	1	Weekly Presentation and Discussion	20%	2	Critical Review	30%	3	Report of Field Trip to SCC	25%	4	Quiz	25%
Evaluation	Method	Weight														
1	Weekly Presentation and Discussion	20%														
2	Critical Review	30%														
3	Report of Field Trip to SCC	25%														
4	Quiz	25%														
Media employed	Classical teaching tools with white board and power point presentation, audiovisual, zoom meeting, ITS online classroom.															
Reading list	<p>Main References:</p> <ol style="list-style-type: none"> 1. Ferguson, Erik 2000. Travel Demand Management and Public Policy. Ashgate. 2. Khisty, C.J, Lall, B..K. 2005. Dasar-dasar Rekayasa. Penerbit Erlangga. Jakarta 3. Ewing, Reid. 1997. Transportation and Land Use Innovations. APA. 4. Tamin, Ofyar Z 1997. Perencanaan dan Pemodelan Transportasi. Penerbit ITB. Bandung. <p>Supporting References:</p> <ol style="list-style-type: none"> 1. Regional Cities Urban Transport. Traffic Management. DKI Jakarta Training. 2. Meyer, Michael D and Eric J. Miller 2001. Urban Transportation Planning. Second Edition. Mc Graw-Hill. Singapore. 3. Papacostas, Constantinos S and Panos D Prevedouros. Transportation Engineering and Planning. Pearson Prentice Hall. Honolulu. 4. Peraturan Menteri Perhubungan 75 Tahun 2021 tentang Manajemen Rekayasa Lalu Lintas 															