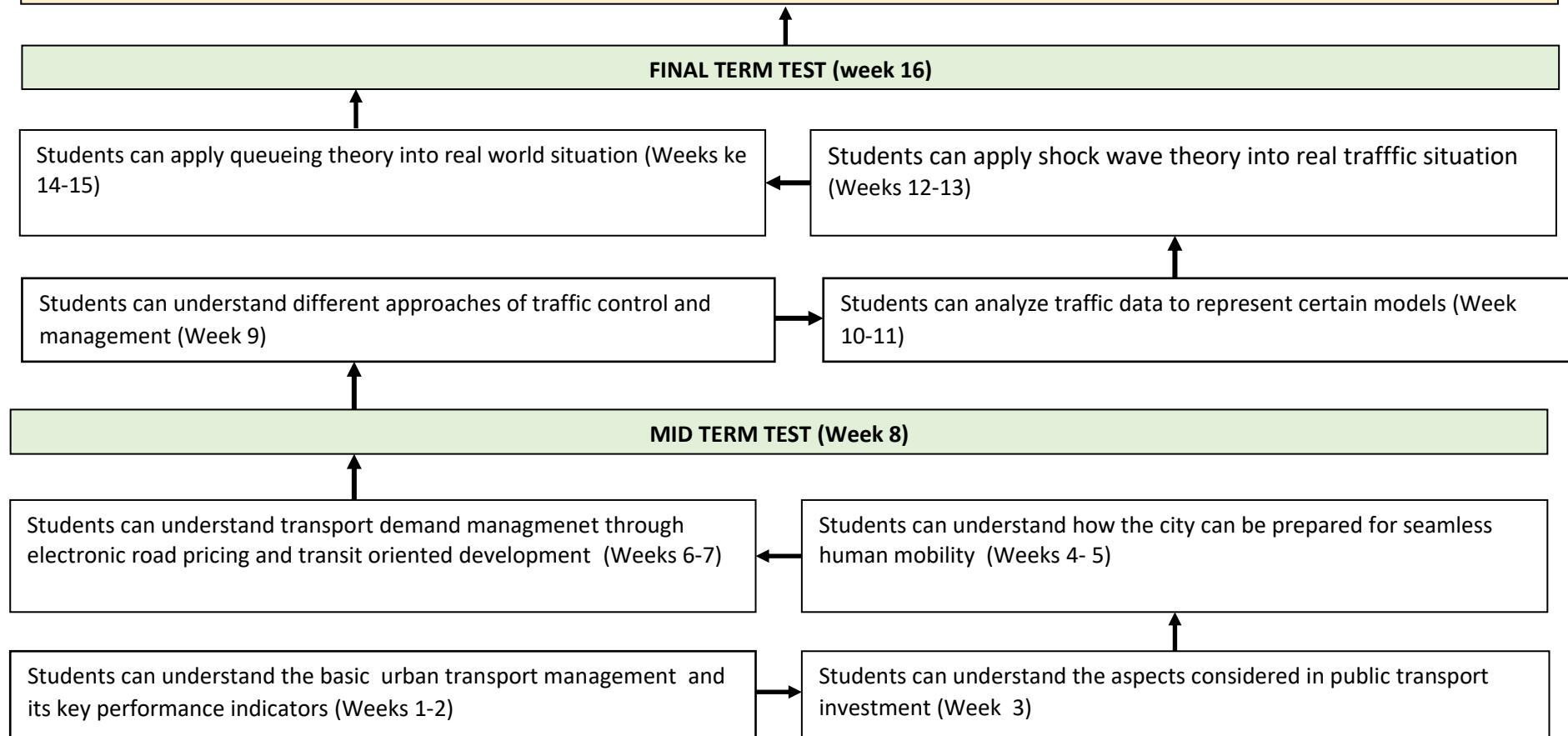


## Course: Transportation Management (TS 44006) / 4 credits

### LEARNING OUTCOMES OF Transportation Management Course:

1. Students can understand the basic urban transport management and its key performance indicators (P2, KK3).
2. Students can understand the aspects considered in public transport investment (P2, KK1).
3. Students can understand how the city can be prepared for seamless human mobility (P2, KK1).
4. Students can understand transport demand management through electronic road pricing and transit oriented development (P2, KK1).
5. Students can understand different approaches of traffic control and management (P2).
6. Students can analyze traffic data to represent certain models (KK1, KK2).
7. Students can apply shock wave theory into real traffic situation (KK1, KK2).
8. Students can apply queueing theory into real world situation (KK1, KK2).



Entry Behavior Liner

INSTITUTIONAL LOGO		TARUMANAGARA UNIVERSITY FACULTY OF ENGINEERING DEPARTMENT OF CIVIL ENGINEERING (Undergraduate Program)				
SEMESTERLY LECTURE PLAN						
Course Name		Course Code	Credits		Semester	Date of Plan Preparation
Tranportation Management		TS 44006	4		VI	22-12-2020
Authorization		Course Leader		Transport Research Group Head	Head of Studi Program	
		Prof. Ir. Leksmono Suryo Putranto, MT., Ph.D, IPM  Dr. Ir. Najid, MT.		Prof. Ir. Leksmono Suryo Putranto, MT., Ph.D	Dr. Widodo Kushartomo	
Learning Outcomes	Learning Outcomes of Studi Program Assigned to the Course					
	P2	To understand planning, design, analysis, construction, operation, supervision, operation, maintenance, improvement/ reinforcement and demolition process of civil engineering building considering safety, occupational health, efficiency and environment aspects.				
	KK1	Be able to identify all aspects of civil engineering building based on planning data and drawings with comprehension of design principles, be able to guide and choose various solution alternatives in civil engineering field.				
	KK2	Be able to plan, design, analyze, construct, supervise, operate, maintain, improve/ reinforce, and demolish civil engineering building using newest technology and software considering safety, occupational health, efficiency and environment aspects.				
	KK3	Be able to collect data, measure, test, investigate in the field, construction material test in laboratory and using management concepts in civil engineering design.				
	Course Learning Outcomes					
	CPMK1	Understand the basic urban transport management and its key performance indicators (P2, KK3.;				
	CPMK2	Understand the aspects considered in public transport investment (P2, KK1);				
	CPMK3	Understand how the city can be prepared for seamless human mobility (P2, KK1);				
	CPMK4	Understand transport demand managmenet through electronic road pricing and transit oriented development (P2, KK1).				
	CPMK5	Understand different approaches of traffic control and management (P2);				
	CPMK6	Can analyze traffic data to represent certain models (KK1, KK2);				
	CPMK7	Can apply shock wave theory into real trafffic situation (KK1, KK2);				
	CPMK8	Can apply queueing theory into real world situation (KK1, KK2).				
Peta CPL-CPMK	Peta matriks CPL terhadap CPMK/ Sub CPMK					



	11. Direktorat Jenderal Bina Marga. Manual Kapasitas Jalan Indonesia.1997. 12. Transportation Research Board. Traffic and Highway Engineering, West Publ. 1998. 13. Putranto. L.S.Rekayasa Lalu Lintas (Edisi 3), Penerbit Indeks, Jakarta. 2016. 14. Kisty.J.C.,Lall, K.B.Transportation Engineering: An Introduction, Prentice Hall. 1998 15. Gerlough, D.L., Huber, M.J.Traffic Flow Theory, Transportation Research Board. 1975	
<b>Learning Media</b>	<b>Software:</b>	<b>Hardware :</b>
	Presentation Software	<i>laptop</i>
<b>Course Leader</b>	Prof. Ir. Leksmono Suryo Putranto, MT., Ph.D	
<b>Pre-requisite (if any)</b>	-	

Weeks	Final Learning Outcomes	Learning Material	Learning Format and Method	Time Estimation	Students Learning Experience	Assessment		
						Criteria and Format	Indicator	Weight (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1-2	Can understand the basic urban transport management and its key performance indicators [C2, C3, C4. C5]	Introduction: <ul style="list-style-type: none"> <li>Explanation on Semesterly Lecture Plan / lecture regulation/ test and marking system.</li> <li>Basic principles of urban transport system its key performance indicators</li> </ul>	<ul style="list-style-type: none"> <li>Format: Lecture</li> <li>Method: Discussion and case study</li> </ul>	<b>L: (4 x50')</b> <b>SA: (4x60')</b> <b>IA: (4 x60')</b>	<ul style="list-style-type: none"> <li>Read Lecture Note of Transport Management Chapter 1 and 2.</li> </ul>	<b>Criteria:</b> Accuracy <b>Non-test format:</b> Observed public transports performance and make a report <b>format:</b> A question in mid term test	Accuracy in explaining basic principles of urban transport system and its key performance indicators.	<b>25</b>

[illegible]

[illegible]