

Universitas Negeri Surabaya Vocational Faculty, D4 Transportation Study Program

Document Code

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Courses			CODE				Cours	se Far	nily		Cr	edit W	eight/		SEM	ESTER		ompil ate	lation
Transportation System			99993940102032					T=2 P=0			0 EC	TS=3.18		1 July 16,		, 2024			
AUTHORIZATION			SP Developer			Course Cluster Coordinator			Stud	y Progr	am C	oord	inator						
												Dr. Anita Susanti, S.Pd., M.T.			., M.T.				
Learning model	Case Studies																		
Program	PLO study program that is charged to the course																		
Learning Outcomes	PLO-5	Have	Have devotion to God Almighty, independence, nationalism and social sensitivity.																
(PLO)	PLO-8	indep	to apply logica endently and n writing.	al, criti coord	ical, innova linating gro	tive, ups	quality to solv	y and e tech	mea nica	surable al and n	e thi non-t	nking i echnic	n ident al prob	tifying, in olems an	npleme id able	enting ar to comn	nd eva	aluatir ate ve	ng erbally
	PLO-9		to apply the p ing measurem														jn pro	cess,	,
	PLO-11 Able to internalize ethics, norms and laws in carrying out work.																		
	Program Objectives (PO)																		
	PO - 1	The second secon																	
	PLO-PO Matrix																		
		_											1						
			P.O		PLO-5		Р	LO-8		ı	PLC)-9		PLO-11					
			PO-1																
	PO Matrix at the end of each learning stage (Sub-PO)																		
																_			
			P.O	1	. 1 . 1					1	1	eek	1			1 1		1	_
			_	1	2 3	4	5	6	7	8	9	10	11	12	13	14	15	16	<u>.</u>
		PC	D-1																
Short Course Description	This course is a components of tland use and tr transportation plate loading), transportation. Let the Transportation.	he tran ne envi anning ortation earning	sportation system ronment, tran (trip generation and the enders is carried out	stem, nsporta on/trip vironn it by a	modes of tation termion generation nent, environment, env	trans nals n, tri onm cons	sportat for p p distr ental tructivi	ion in eople ibutioi impac ist app	the and h/trip t of broad	transpo goods distrib transp	orta s, q outio	tion sy ueuing n, spli	stem, theor t mode sustain	the cond y in train e/mode so ability o	ept of nsportage of trans	transpo ation sys on, trip a sportatio	rtatio stem: sssigi n. in	n net s, par nment tegrat	works, king , t/traffic
References	Main :																		
	 1. Widayanti, Ari. 2013. Sistem Transportasi. Surabaya: Unesa 2. 2. Morlok, E. K., (1985), Pengantar Teknik dan Perencanaan Transportasi, Erlangga, Jakarta. 3. 3. Abubakar, Iskandar. 1995. Menuju Lalu Lintas dan Angkutan Jalan yang Tertib. Jakarta: Dirjenhubdat. 4. 4. Tamin, Ofyar Z. 2000. Perencanaan dan Pemodelan Transportasi. Bandung: ITB. 5. 5. Munawar A, 2005, Dasar-Dasar Teknik Transportasi, Penerbit Beta Offset, Yogyakarta. 6. 6. Nasution, H.M, 2003, Manajemen Transportasi, Ghalia, Jakarta 7. Miro, Fidel. Perencanaan Transportasi untuk Mahasiswa, Perencana, dan Praktisi. Jakarta: Erlangga. 2012 8. Hariyono, D. W. dan Prawesthi, W. "Penyelenggaraan Angkutan Orang dengan Kendaraan Umum di Surabaya. Jurna Manajemen Transportasi & Logistik (JMTransLog) - Volume. 02 No. 02, Juli 2015. 9. 9.Direktorat Jendral Perhubungan Darat Kementrian Republik Indonesia. (http://hubdat.dephub.go.id/). Diakses pada 28 Februar 2016 10. 10. Dinas Perhubungan Jawa Barat. (http://dishub.jabarprov.go.id/). Diakses pada 28 Februari 2016 																		
	Cupranta																		
	Supporters:																		

Supporti lecturer

Week-	Final abilities of each learning stage	Ev	aluation	Learı Studer	lp Learning, ning methods, nt Assignments, timated time]	Learning materials [References	Assessment Weight (%)	
	(Sub-PO)	Indicator	Criteria & Form	Offline (offline)	Online (online)	1		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
1	Understand the meaning, purpose and forms of transportation.	Mention the meaning of purposes and forms of transportation.	Criteria: Full marks are obtained if you do all the questions correctly. Form of Assessment: Participatory Activities	Presentations, discussions and questions and answers. 2 X 50		Material: Definition of Transportation System References: 1. Widayanti, Ari. 2013. Transportation System. Surabaya: Unesa [4]. Tamin, Ofyar Z. 2000. Transportation Planning and Modeling. Bandung: ITB.	0%	
2	Understand the role and development of transportation.	Mention the role and development of transportation.	Criteria: Full marks are obtained if you do all the questions correctly. Form of Assessment: Participatory Activities	Discussion presentation and question and answer. 2 X 50		Material: Definition of Transportation Planning References: 2. Morlok, EK, (1985), Introduction to Transportation Engineering and Planning, Erlangga, Jakarta.	0%	
3	Get to know the components of the transportation system.	Mention the components of the transportation system.	Criteria: Full marks are obtained if you do all the questions correctly.	Presentations, discussions and questions and answers. 2 X 50		Material: Definition of Transportation Components References: 2. Morlok, EK, (1985), Introduction to Transportation Engineering and Planning, Erlangga, Jakarta.	0%	
4	Understand the types of transportation modes.	Mention the types of transportation modes.	Criteria: Full marks are obtained if you do all the questions correctly. Form of Assessment: Participatory Activities	Presentations, discussions and questions and answers. 2 X 50		Material: Transportation Planning Techniques and Components References: 2. Morlok, EK, (1985), Introduction to Transportation Engineering and Planning, Erlangga, Jakarta.	0%	
5	Understand the concept of transportation networks.	Make a concept analysis of transportation networks.	Criteria: Full marks are obtained if you do all the questions correctly.	Discussion presentation and question and answer. 2 X 50		Material: Transportation Network Concepts References: 4. Tamin, Ofyar Z. 2000. Transportation Planning and Modeling. Bandung: ITB.	0%	

6	Understand land use and the environment.	Mention the relationship between environmental land use and transportation systems.	Criteria: Full marks are obtained if you do all the questions correctly. Form of Assessment: Participatory Activities	Presentations, discussions and questions and answers. 2 X 50	Material: Relationship between Land Use and Transportation Systems References: 4. Tamin, Ofyar Z. 2000. Transportation Planning and Modeling. Bandung: ITB.	0%
7	Understand the types of terminals.	State the terminal classification of people and goods.	Criteria: Full marks are obtained if you do all the questions correctly. Form of Assessment: Participatory Activities	Discussion presentation and question and answer. 2 X 50	Material: Terminals for People and Goods in the Transportation System References: 6. Nasution, HM, 2003, Transportation Management, Ghalia, Jakarta	0%
8	Midterm exam	-	Criteria: Full marks are obtained if you do all the questions correctly. Form of Assessment: Test	- 2 X 50		0%
9	Transportation Network Distribution includes operation, design, maintenance, and planning.	Able to understand Transportation Distribution which includes operation, design, maintenance and planning.	Criteria: Full marks are obtained if you do all the questions correctly. Form of Assessment: Participatory Activities	Presentations, discussions and questions and answers. 2 X 50	Material: Types of Transportation Distribution Reference: 6. Nasution, HM, 2003, Transportation Management, Ghalia, Jakarta	0%
10	Understanding queuing theory in transportation systems.	Applying queuing theory in transportation systems.	Criteria: Full marks are obtained if you do all the questions correctly.	Discussion presentation and question and answer. 2 X 50	Material: Types of queues References: 4. Tamin, Ofyar Z. 2000. Transportation Planning and Modeling. Bandung: ITB.	0%
11	Types of Parking	Create Parking analysis.	Criteria: Full marks are obtained if you do all the questions correctly.	Discussion presentation and question and answer. 2 X 50	Material: Types of Parking and Their Calculations Reference: 7. Miro, Fidel. Transportation Planning for Students, Planners, and Practitioners. Jakarta: Erlangga. 2012	0%
12	Understand transportation planning (trip generation/trip generation/trip distribution/trip distribution).	Carry out transportation planning (trip generation/trip generation, trip distribution/trip distribution).	Criteria: Full marks are obtained if you do all the questions correctly.	Discussion presentation and question and answer. 2 X 50	Material: 4 Stage Modeling Concept References: 4. Tamin, Ofyar Z. 2000. Transportation Planning and Modeling. Bandung: ITB.	0%
13	Understanding split mode/mode selection.	Carry out split mode analysis/mode selection.	Criteria: Full marks are obtained if you do all the questions correctly.	Discussion presentation and question and answer. 2 X 50	Material: 4 Stage Modeling Concept References: 4. Tamin, Ofyar Z. 2000. Transportation Planning and Modeling. Bandung: ITB.	0%

14	Understanding Trip assignment/traffic loading).	Make Trip assignment/traffic loading calculations).	Criteria: Full marks are obtained if you do all the questions correctly.	Discussion presentation and question and answer. 2 X 50	Material: 4 Stage Modeling Concept References: 4. Tamin, Ofyar Z. 2000. Transportation Planning and Modeling. Bandung: ITB.	0%
15	Able to design various multimodal transportation networks.	Make transportation and environmental analyzes and the environmental impact of transportation.	Criteria: Full marks are obtained if you do all the questions correctly.	Discussion presentation and question and answer. 2 X 50		0%
16	Final exams			Offline		0%

Evaluation Percentage Recap: Case Study

No	Evaluation	Percentage
	•	0%

Notes

- Learning Outcomes of Study Program Graduates (PLO Study Program) are the abilities possessed by each Study
 Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study
 program obtained through the learning process.
- 2. The PLO imposed on courses are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
- 3. **Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
- 4. Subject Sub-PO (Sub-PO) is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
- 5. **Indicators for assessing** ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
- 6. Assessment Criteria are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
- 7. Forms of assessment: test and non-test.
- 8. **Forms of learning:** Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
- 9. **Learning Methods:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
- 10. Learning materials are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 11. The assessment weight is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
- 12. TM=Face to face, PT=Structured assignments, BM=Independent study.