



**Universitas Negeri Surabaya  
Vocational Faculty,  
D4 Transportation Study Program**

Document Code

**SEMESTER LEARNING PLAN**

<b>Courses</b>	<b>CODE</b>	<b>Course Family</b>	<b>Credit Weight</b>	<b>SEMESTER</b>	<b>Compilation Date</b>
Traffic Management and Engineering	3930102063		T=2 P=0 ECTS=3.18	5	July 17, 2024
<b>AUTHORIZATION</b>	<b>SP Developer</b>		<b>Course Cluster Coordinator</b>		<b>Study Program Coordinator</b>
	.....		.....		Dr. Anita Susanti, S.Pd., M.T.
<b>Learning model</b>	Case Studies				
<b>Program Learning Outcomes (PLO)</b>	PLO study program that is charged to the course				
	Program Objectives (PO)				
	PLO-PO Matrix				
		P.O			
<b>Short Course Description</b>	The meaning and objectives of traffic management are stages of implementing traffic management, identification of traffic problems, traffic management strategies, traffic management techniques, capacity management, priority management, demand management, environmentally sound management, local area management, road section management, management road networks, traffic evaluation methods, and traffic survey techniques. Traffic survey techniques contain basic understanding of traffic, basic traffic laws, characteristics of traffic components, basic theories of traffic flow, traffic surveys, intersections and junction control, capacity and level of service on roads, and roundabout performance. Learning is carried out with direct explanations from the lecturer and continues with discussions and questions and answers.				
	<b>References</b>	<b>Main :</b> 1. Prosiding Simposium I , 1999, Forum Studi Transportasi antarPerguruan Tinggi . Bandung: ITB.[ 2. Dephub. 1996. Manual Kapasitas Jalan Indonesia .Jakarta: 3. Dirjendat. 1999. Rekayasa Lalu Lintas . Direktorat BinaSistim Lalu Lintas dan Angkutan. 4. Kadiyali, L.R. 1978. Traffic Engineering and Transport Planning . New Delhi: KhannaPublisher. 5. Warpani, Suwardjoko. 2002. Pengelolaan Lalu Lintas dan Angkutan JalanRaya . Bandung: ITB 6. Abubakar I, 1999. Rekayasa lalu Lintas. Direktorat Perhubungan Darat. Jakarta 7. Anonim, 1997, Manual Kapasitas Jalan Indonesia. 8. Hobbes. 1995. Perencanaan dan Teknik Lalu Lintas. Gadjah Mada Press. Yogyakarta 9. Putranto, L. 2008. Rekayasa Lalu Lintas. Indeks. Jakarta [5]. Alamsyah, AA. 2008. Rekayasa Lalu Lintas. UMM Press. Malang 10. Munawar, A. 2004. Manajemen Lalu Lintas Perkotaan. Beta Ofset. Yogyakarta			
	<b>Supporters:</b>				
<b>Supporting lecturer</b>	Dr. Ir. H. Dadang Supriyatno, M.T. Kusuma Refa Haratama, S.Pd., M.Sc.				
<b>Week-</b>	<b>Final abilities of each learning stage (Sub-PO)</b>	<b>Evaluation</b>	<b>Help Learning, Learning methods, Student Assignments, [ Estimated time]</b>		<b>Learning materials [References]</b>
					<b>Assessment Weight (%)</b>

		Indicator	Criteria & Form	Offline ( offline )	Online ( online )	J	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Students are given an understanding of traffic management.	Students are expected to know the meaning of traffic management.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussion 2 X 50			0%
2	Students are given an understanding of the objectives of traffic management.	Students are expected to understand traffic management applications in the field.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussion 2 X 50			0%
3	Students are given an understanding of the stages of implementing traffic management.	Students can understand the stages of implementing traffic management in the field.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussion 2 X 50			0%
4	Students are given an understanding of the road network system in Indonesia.	Students are able to understand an overview of the current road network system.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussions Explanations of questions and answers and discussions. 2 X 50			0%
5	Students are given an understanding of the road network system in Indonesia.	Students are able to understand an overview of the current road network system.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussions Explanations of questions and answers and discussions. 2 X 50			0%
6	Students are able to understand the performance of roads and intersections.	Students can calculate the performance of roads and intersections	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussion 2 X 50			0%
7	Students can understand road facilities and utilities	Students can clearly understand the utilities that should be in the road network system.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussion 2 X 50			0%
8	UTS	UTS	<b>Criteria:</b> UTS	UTS 2 X 50			0%
9	Students can understand traffic management strategies and techniques.	Students can understand how to apply traffic management strategies and techniques in the field.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussion 2 X 50			0%
10	Students can understand traffic management strategies and techniques.	Students can understand how to apply traffic management strategies and techniques in the field.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussion 2 X 50			0%

11	Students can begin to understand the problems related to current traffic.	Students can understand traffic problems in the field related to the application of traffic management.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussion Assignment: 2 X 50 case study			0%
12	Students can begin to understand the problems related to current traffic.	Students can understand traffic problems in the field related to the application of traffic management.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussion Assignment: 2 X 50 case study			0%
13	Students can understand road network management related to environmental insight.	Students can understand the analysis of traffic impacts related to the environment.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussion 2 X 50			0%
14	Students can understand the principles of traffic control on roads.	Students can make road performance evaluations and plan improvements.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussion 2 X 50			0%
15	Students can understand the principles of traffic control at intersections.	Students can make intersection performance evaluations and repair plans.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussion 2 X 50			0%
16	Students can understand and know the overall traffic management evaluation method on the road network system.	Students can understand the overall working principles of traffic management.	<b>Criteria:</b> You get full marks if you do the questions and do everything correctly	Explanation of questions and answers and discussion 2 X 50			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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Forms of assessment:** test and non-test.
- 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.
- 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.
- Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 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.