



**Universitas Negeri Surabaya
Vocational Faculty,
D4 Informatics Management Study Program**

Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date																																
Prac. Computer network	5730101162		T=0	P=1	ECTS=1.59	1	July 17, 2024																																
AUTHORIZATION	SP Developer		Course Cluster Coordinator			Study Program Coordinator																																	
			Dodik Arwin Dermawan, S.ST., S.T., M.T.																																	
Learning model	Project Based Learning																																						
Program Learning Outcomes (PLO)	PLO study program which is charged to the course																																						
	Program Objectives (PO)																																						
	PLO-PO Matrix																																						
		P.O																																					
Short Course Description	This course discusses protocol applications in the OSI model and TCP/IP suite in everyday life. Network applications include HTTP, FTP and FTP packet analysis. This course also briefly discusses network configuration practices on Windows and Linux.																																						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="width: 5%;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td style="width: 2%;">1</td> <td style="width: 2%;">2</td> <td style="width: 2%;">3</td> <td style="width: 2%;">4</td> <td style="width: 2%;">5</td> <td style="width: 2%;">6</td> <td style="width: 2%;">7</td> <td style="width: 2%;">8</td> <td style="width: 2%;">9</td> <td style="width: 2%;">10</td> <td style="width: 2%;">11</td> <td style="width: 2%;">12</td> <td style="width: 2%;">13</td> <td style="width: 2%;">14</td> <td style="width: 2%;">15</td> <td style="width: 2%;">16</td> </tr> </table>							P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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Supporters:																																							
Supporting lecturer	Aditya Prapanca, S.T., M.Kom. Andi Iwan Nurhidayat, S.Kom., M.T. Hafizhuddin Zul Fahmi, S.Kom., M.Sc.																																						
Week-	Final abilities of each learning stage (Sub-PO)	Evaluation		Help Learning, Learning methods, Student Assignments, [Estimated time]		Learning materials [References]	Assessment Weight (%)																																
		Indicator	Criteria & Form	Offline (offline)	Online (online)																																		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)																																

1	Skilled in making network cables according to TIA standards	1. Can explain the characteristics of Straight cables 2. Can make Straight cables 3. Can explain the characteristics of Cross cables 4. Can make Cross cables	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 2 X 50			0%
2	Skilled in making network cables according to TIA standards	1. Can explain the characteristics of Straight cables 2. Can make Straight cables 3. Can explain the characteristics of Cross cables 4. Can make Cross cables	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 2 X 50			0%
3	Able to perform network performance analysis	1. Skilled in using the Wireshark tool to view the packet structure	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 1 X 50			0%
4	Mable to perform IPv4 addressing on the network	1. Implement addressing on the network using IPv4	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 1 X 50			0%
5	Mable to perform IPv4 addressing on the network	1. Implement addressing on the network using IPv4	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 1 X 50			0%
6	Skilled at creating sub-networks	Able to calculate sub networks with or without the help of a calculator	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 2 X 50			0%
7	Skilled at creating sub-networks	Able to calculate sub networks with or without the help of a calculator	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 2 X 50			0%
8				2 X 50			0%
9	Able to apply routing configuration	1. Implement static and dynamic routing configurations 2. Skilled in using the Cisco Packet Tracer and GNS3 simulators.	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 2 X 50			0%
10	Able to apply routing configuration	1. Implement static and dynamic routing configurations 2. Skilled in using the Cisco Packet Tracer and GNS3 simulators.	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 2 X 50			0%

11	Apply Application configuration to the Application layer on the network	1. Apply DHCP configuration to the network 2. Apply HTTP configuration to the network 3. Implement FTP and file sharing configuration on the network.	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 2 X 50			0%
12	Apply Application configuration to the Application layer on the network	1. Apply DHCP configuration to the network 2. Apply HTTP configuration to the network 3. Implement FTP and file sharing configuration on the network.	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 2 X 50			0%
13	Skilled in using network applications on Linux and Windows	Skilled in using network features on Linux and Windows operating systems	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 2 X 50			0%
14	Can use basic wireless network features	1. Apply WiFi configuration 2. Implement security features on the network	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 2 X 50			0%
15	Can use basic wireless network features	1. Apply WiFi configuration 2. Implement security features on the network	Criteria: Holistic Rubric	Approach: Scientific Model: Cooperative Method: Practice 2 X 50			0%
16							0%

Evaluation Percentage Recap: Project Based Learning

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.
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.