	Universitas Negeri Surabaya Faculty of Engineering, Electrical Engineering Undergraduate Study Program	Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Network Security	2020102054		T=2	P=0	ECTS=3.18	7	July 18, 2024

AUTHORIZATION	SP Developer	Course Cluster Coordinator	Study Program Coordinator
	.....	.....	Dr. Lusia Rakhmawati, S.T., M.T.

Learning model	**Case Studies**
Program Learning Outcomes (PLO)	**PLO study program that is charged to the course**
	Program Objectives (PO)
	PLO-PO Matrix

	P.O

PO Matrix at the end of each learning stage (Sub-PO)

P.O	Week															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Short Course Description	1. Students are able to understand security systems on networks 2. Students know security on Android systems 3. Students can understand the development and security of the Apple iPhone 4. Students can understand Windows Mobile Security 5. Students can understand various types of mobile services
References	**Main :**
	1. 1. Penanganan jaringan komputer, penerbit Andi 2 Himanshu dwivedi " mobile application security" 3. Tim speed and juanita ellist " internet security
	Supporters:
Supporting lecturer	EPPY YUNDRA Dr. Farid Baskoro, S.T., M.T.

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	1. Students know the types and architecture of computer networks2. Students know the components of a network 3. Students know the various types of network cables	1. Students understand the types and architecture of computer networks2. Students understand network components 3. Students understand the various types of network cables		discussion, lecture and question and answer 2 X 50			0%
2	1. Students know the types and architecture of computer networks2. Students know the components of a network 3. Students know the various types of network cables	1. Students understand the types and architecture of computer networks2. Students understand network components 3. Students understand the various types of network cables		discussion, lecture and question and answer 2 X 50			0%
3	1. Students are able to understand mobile platforms and their developments	1. Students are able to understand the development of mobile platforms2. Students know the top issues facing mobile devices3. Students know security tips for mobile applications		discussion, lecture and question and answer 2 X 50			0%
4	Students are able to understand the security system on Android	1. Students know the development of Android 2. Students understand security in Android mechanical IPCs 3. students know the security model of android4.android permissions		discussion, lecture and question and answer 2 X 50			0%
5	Students are able to understand the security system on Android	1. Students know the development of Android 2. Students understand security in Android mechanical IPCs 3. students know the security model of android4.android permissions		discussion, lecture and question and answer 2 X 50			0%
6							0%
7							0%
8							0%
10							0%
11							0%
12							0%
13							0%

14							0%
15							0%
16							0%

Evaluation Percentage Recap: Case Study

No	Evaluation	Percentage
		0%

Notes

1. **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.