	Universitas Negeri Surabaya **Faculty of Engineering,** **Mechanical Engineering Education Undergraduate Study Program**	**Document Code**

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Learning technologies	8320302244		T=2	P=0	ECTS=3.18	6	July 18, 2024

AUTHORIZATION	SP Developer	Course Cluster Coordinator	Study Program Coordinator
	.....	.....	Ir. Wahyu Dwi Kurniawan, S.Pd., M.Pd.

Learning model	**Project Based Learning**
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	This course discusses theoretical and practical studies regarding learning technology which continues to develop along with developments in the field of coverage, especially the fields of learning and technology. In general, the scope of discussion in this course includes the development of the definition of learning technology over time, the scope of learning technology studies, and the application of learning technology. The discussion process in class will make students' knowledge richer by exchanging information between students. By studying this course, students are expected to be able to understand definitions, theoretical studies, practical studies, development trends, issues and career opportunities in the field of learning technology.
References	**Main :**
	1. Januszewski, A., Molenda, M. 2008.Educational Technology: A Definition with Comentary. NewYork: Taylor & Francis Group. 2. Heinich, R. 2002. Instructional Media and Technologies for Learning. New Jersey: Pearson Education Inc.
	Supporters:
Supporting lecturer	Dr. Warju, S.Pd., 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	Students are able to understand the lecture system, assessment system, and lecture rules	Able to understand the lecture system, assessment system, and lecture rules	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%

2	Students are able to understand the development of the definition of learning technology and its scope from time to time	Able to understand the development of the definition of learning technology and its scope from time to time	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%
3	Students are able to understand the main objectives of learning to facilitate learning	Able to understand the main objectives of learning to facilitate learning	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%
4	Students are able to understand how learning technology is an educational intervention that improves performance (improving learning)	Able to understand how learning technology is an educational intervention that improves performance (improving learning)	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual sync 3 X 50			0%
5	Students are able to understand various ways of creating various types of materials and systems for learning (creating)	Able to understand various ways of creating various types of materials and systems for learning (creating)	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%
6	Students are able to understand the selection and evaluation of the use of teaching materials (using)	Able to understand the selection and evaluation of the use of teaching materials (using)	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%
7	Students are able to understand the concept of appropriate management of technological processes and resources (managing)	Able to understand the concept of appropriate process management and technological resources (managing)	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%
8	Students are able to understand the study material from the 1st to 7th meetings	Able to understand study material from meetings 1 to 7	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%
9	Students are able to understand the series of processes for using technology in designing, developing and implementing effective resources for learning (processes)	Able to understand the series of processes for using technology in designing, developing and implementing effective resources for learning (processes)	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%
10	Students are able to understand tools, materials, devices, procedures, and people who interact with students to solve learning and performance problems (resources)	Able to understand tools, materials, devices, procedures, and people who interact with students to solve learning and performance problems (resources)	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%

11	Students are able to understand the emphasis of values in learning technology from time to time (values)	Able to understand the emphasis of values in learning technology from time to time (values)	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%
12	Students are able to understand the concept of applying technology for learning (Technologies for learning)	Able to understand the concept of applying technology for learning (Technologies for learning)	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%
13	Students are able to understand the model for planning effective learning by applying technology and learning media (The ASSURE Model)	Able to understand the model for planning effective learning with the application of technology and learning media (The ASSURE Model)	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%
14	Students are able to understand trends in computer-based learning technology innovation (Computer for Learning)	Able to understand trends in computer-based learning technology innovation (Computer for Learning)	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%
15	Students are able to understand the concepts of Multimedia for Learning and Distance Learning	Able to understand the concept of Multimedia for Learning and Distance Learning	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%
16	Students are able to understand the study material from the 9th to 15th meetings	Able to understand study material from the 9th to 15th meetings	**Criteria:** Activeness in discussions, attendance, assignments and presentations	Virtual synchronous 2 X 50			0%

Evaluation Percentage Recap: Project Based Learning

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.