	Universitas Negeri Surabaya Faculty of Engineering, Bachelor of Information Systems Study Program	Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Web Based Programming	5720103032		T=3	P=0	ECTS=4.77	5	July 18, 2024

AUTHORIZATION	SP Developer	Course Cluster Coordinator	Study Program Coordinator
	.....	.....	I Kadek Dwi Nuryana, S.T., M.Kom.

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 teaches concepts, technology and web-based programming, especially their application in information systems.
References	**Main :**

1. Betha Sidik, Ir. 2001. Pemrograman Web dengan PHP . Bandung: Penerbit INFORMATIKA.
2. Janner Simarmata. 2010. Rekayasa Web. Yogyakarta: Penerbit ANDI.
3. Komang Wiswakarma, 2010. Panduan LengkapMenguasai Pemrograman CSS.Yogyakarta: Penerbit Lokomedia
4. Lukmanul Hakim. 2010. Bikin Website Super Keren dengan PHP & Jquery. Yogyakarta: Penerbit Lokomedia
5. Lukmanul Hakim. 2011. Trik Dahsyat menguasai AJAX dengan jQuery. Yogyakarta: Penerbit Lokomedia
6. Lukmanul Hakim. 2013. Responsive Web Design dengan PHP & Bootstrap. Yogyakarta: Penerbit Lokomedia

	Supporters:
Supporting lecturer	Ari Kurniawan, S.Kom., M.T. Andi Iwan Nurhidayat, S.Kom., 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 basic concepts of web engineering	1. Explains the principles of web engineering 2. Explain the stages of web application development 3. Design and engineer web-based application requirements		Presentation, discussion, demonstration & reflection 3 X 50			0%
2	Students are able to understand DNS, hosting & subdomains	1. Explains DNS, hosting & subdomains 2. Explains the functions of DNS, hosting & subdomains 3. Explains the implementation of DNS, hosting & subdomains in the application		Presentation, discussion, demonstration & reflection 3 X 50			0%
3	Students are able to understand HTML, its functions, and create layouts using HTML	1. Explain the basic format of the web. 2. Explain the function of body, font and table 3. Able to create Web Design Layouts with tables 4. Describes hyperlinks between web pages		Display Material Internet Reference Book 3 X 50			0%
4	Students are able to understand CSS, functions, and create web layouts using CSS	Able to create Web Design Layouts with CSS		Presentation, discussion, demonstration & reflection 3 X 50			0%
5	Students are able to understand CSS, functions, and create web layouts using CSS	Able to create Web Design Layouts with CSS		Presentation, discussion, demonstration & reflection 3 X 50			0%
6	Students are able to understand JavaScript and its functions	1. Understand JavaScript client programming 2. Understand basic JavaScript syntax		Presentation, discussion, demonstration & reflection 3 X 50			0%
7	Students are able to understand the JavaScript framework and its functions	1. Understand jQuery 2. Understand the use of jQuery in HTML structure		Presentation, discussion, demonstration & reflection 3 X 50			0%
8							0%
9							0%
10							0%
11							0%

12							0%
13							0%
14							0%
15							0%
16							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.