	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. Web Programming		5730101154		T=0	P=1	ECTS=1.59		3	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 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 contains exercises or practices regarding the application of web-based concepts, technology and programming, especially their application in the business world.

References	Main :	
	1.	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. Bonda Sisephaputra, M. Kom.

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)

No	Learning Outcome	Indicators	Criteria	Method			%
1	Students are able to install web servers and databases along with their configuration	1. Able to install/install a web server and database server 2. Able to configure a web server and database server	**Criteria:** Holistic Rubric	Practicum, demonstration and reflection 1 X 50			0%
2	Students are able to create DNS, hosting & subdomains	1. Able to create DNS records 2. Able to create subdomain configurations	**Criteria:** Holistic Rubric	Practicum, demonstration and reflection 1 X 50			0%
3	Students are able to create website layouts with HTML	1. Able to create basic web formats. 2. Able to create Web Design Layouts with tables 3. Able to create hyperlinks between web pages	**Criteria:** Holistic Rubric	Practicum, demonstration and reflection 1 X 50			0%
4	Students are able to create web designs and layouts with CSS.	Able to create Web Design Layouts with CSS	**Criteria:** Holistic Rubric	Practicum, demonstration and reflection 1 X 50			0%
5	Students are able to create web designs and layouts with CSS.	Able to create Web Design Layouts with CSS	**Criteria:** Holistic Rubric	Practicum, demonstration and reflection 1 X 50			0%
6	Students are able to create JavaScript programs on the web	Able to create JavaScript client programming	**Criteria:** Holistic Rubric	Practicum, demonstration and reflection 1 X 50			0%
7	Students are able to use jQuery	1. Able to use jQuery 2. Able to apply jQuery to HTML elements	**Criteria:** Holistic Rubric	Practicum, demonstration and reflection 1 X 50			0%
8	UTS	UTS		1 X 50			0%
9	Students are able to implement POP and OOP programming in PHP	Able to program with POP and OOP programming styles	**Criteria:** Holistic Rubric	1 X 50			0%
10	Students are able to implement POP and OOP programming in PHP	Able to program with POP and OOP programming styles	**Criteria:** Holistic Rubric	1 X 50			0%
11	Students are able to implement POP and OOP programming in PHP	Able to program with POP and OOP programming styles	**Criteria:** Holistic Rubric	1 X 50			0%
12	Students are able to design databases and requirements for web applications	1. database design and structure2. database connection on PHP3. relationships between tables and their benefits4. views, functions and triggers5. Remote access	**Criteria:** Holistic Rubric	Practice and discussion 1 X 50			0%
13	Students are able to create websites using responsive design techniques	Create a website with responsive design	**Criteria:** Holistic Rubric	Discussion and Practicum 1 X 50			0%

14	Students use XML and JSON functions	1. Create XML and JSON	**Criteria:** Holistic Rubric	Discussion and Practicum 1 X 50			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.