



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

**Document
Code**

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight	SEMESTER	Compilation Date																																
Advanced Web Programming	5730102180		T=2 P=0 ECTS=3.18	4	July 17, 2024																																
AUTHORIZATION	SP Developer		Course Cluster Coordinator	Study Program Coordinator																																	
	Dodik Arwin Dermawan, S.ST., S.T., M.T.																																	
Learning model	Case Studies																																				
Program Learning Outcomes (PLO)	PLO study program which is charged to the course																																				
	Program Objectives (PO)																																				
	PLO-PO Matrix																																				
		P.O																																			
Short Course Description	PO Matrix at the end of each learning stage (Sub-PO)																																				
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="width: 10%; text-align: center;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td style="width: 5%; text-align: center;">1</td> <td style="width: 5%; text-align: center;">2</td> <td style="width: 5%; text-align: center;">3</td> <td style="width: 5%; text-align: center;">4</td> <td style="width: 5%; text-align: center;">5</td> <td style="width: 5%; text-align: center;">6</td> <td style="width: 5%; text-align: center;">7</td> <td style="width: 5%; text-align: center;">8</td> <td style="width: 5%; text-align: center;">9</td> <td style="width: 5%; text-align: center;">10</td> <td style="width: 5%; text-align: center;">11</td> <td style="width: 5%; text-align: center;">12</td> <td style="width: 5%; text-align: center;">13</td> <td style="width: 5%; text-align: center;">14</td> <td style="width: 5%; text-align: center;">15</td> <td style="width: 5%; text-align: center;">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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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																					
References	<p>Main :</p> <ol style="list-style-type: none"> 1. Betha Sidik, Ir. 2001. Pemrograman Web dengan PHP . Bandung: Penerbit INFORMATIKA. 2. Lukmanul Hakim. 2010. Bikin Website Super Keren dengan PHP & JQuery. Yogyakarta: Penerbit Lokomedia 3. Lukmanul Hakim. 2011. Trik Dahsyat menguasai AJAX dengan jQuery. Yogyakarta: Penerbit Lokomedia 4. Lukmanul Hakim. 2013. Responsive Web Design dengan PHP & Bootstrap. Yogyakarta: Penerbit Lokomedia 5. Awan Pribadi Basuki. 2017. Konsep dan Teknik Menguasai Modern OOP di PHP. Yogyakarta: Penerbit Lokomedia 6. David Naista. 2016. Bikin Framework PHP Sendiri dengan Teknik OOP & MVC. Jakarta: Penerbit Lokomedia <p>Supporters:</p>																																				
Supporting lecturer	Ari Kurniawan, S.Kom., M.T. Asmunin, S.Kom., M.Kom. 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 create websites with POP and OOP programming in PHP	Creating a web with POP and OOP programming. Understand the advantages and disadvantages of POP and OOP programming in PHP	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%
2	Students are able to create websites using OOP concepts using the PHP language	Create OOP programming in PHP	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%
3	Students are able to create Classes, Objects, Method Chaining, Abstract Classes, Abstract Methods	Able to create classes and objects. Method Chaining, Abstract Class, Abstract Method	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%
4	Students are able to create Classes, Objects, Method Chaining, Abstract Classes, Abstract Methods	Able to create classes and objects. Method Chaining, Abstract Class, Abstract Method	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%
5	Students are able to apply Encapsulation, Inheritance, Interface, Polymorphism	Able to apply Encapsulation, Inheritance, Interface, Polymorphism in OOP	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%
6	Students are able to apply Encapsulation, Inheritance, Interface, Polymorphism	Able to apply Encapsulation, Inheritance, Interface, Polymorphism in OOP	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%
7	Students are able to apply Type Hinting, Trait, Namespace	Implement Hinting, Trait, Namespace	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%
8	Subsummative Exam / Midterm Exam	Subsummative Exam / Midterm Exam	Criteria: Subsummative Exam / Midterm Exam	Subsummative Exam / Midterm Exam 2 X 50			0%
9	Students are able to create a basic framework using the MVC (Model View Controller) concept	Create a basic framework using the MVC (Model View Controller) concept	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%
10	Students are able to create a Laravel Blade Template	Students are able to create a Laravel Blade Template	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%
11	Students are able to create forms and HTML	Students are able to create forms and HTML	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%
12	Students are able to create a Schema Builder	Students are able to create a Schema Builder	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%
13	Students are able to create programs about Migrations	Students are able to create programs about Migrations	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%

14	Students are able to create Seeding in the program	Students are able to create Seeding in the program	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%
15	Students are able to make Eloquent	Students are able to make Eloquent	Criteria: Holistic Rubric	Presentation, discussion, demonstration & reflection 2 X 50			0%
16	Summative Exam / Final Semester Exam	Summative Exam / Final Semester Exam	Criteria: Summative Exam / Final Semester Exam	Summative Exam / Final Semester Exam 2 X 50			0%

Evaluation Percentage Recap: Case Study

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.
- Forms of assessment:** test and non-test.
- 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.
- 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.
- Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 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%.
- TM=Face to face, PT=Structured assignments, BM=Independent study.