

		Universitas Negeri Surabaya Faculty of Engineering, Building Engineering Education Undergraduate Study Program					Document Code																																										
SEMESTER LEARNING PLAN																																																	
Courses		CODE	Course Family		Credit Weight		SEMESTER	Compilation Date																																									
Practice Stone Skills		8320502182			T=2	P=0	ECTS=3.18	3 July 18, 2024																																									
AUTHORIZATION		SP Developer		Course Cluster Coordinator		Study Program Coordinator																																											
			Dr. Gde Agus Yudha Prawira Adistana, 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																																																
		<div style="border: 1px solid black; padding: 5px; display: inline-block;">P.O</div>																																															
	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: 5%;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td style="width: 3%;">1</td> <td style="width: 3%;">2</td> <td style="width: 3%;">3</td> <td style="width: 3%;">4</td> <td style="width: 3%;">5</td> <td style="width: 3%;">6</td> <td style="width: 3%;">7</td> <td style="width: 3%;">8</td> <td style="width: 3%;">9</td> <td style="width: 3%;">10</td> <td style="width: 3%;">11</td> <td style="width: 3%;">12</td> <td style="width: 3%;">13</td> <td style="width: 3%;">14</td> <td style="width: 3%;">15</td> <td style="width: 3%;">16</td> </tr> </table>																P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																																	
Short Course Description	Understanding simple stone and concrete work, equipment and materials used, 1/2 stone wall masonry work, 1 stone wall masonry work, and iron work.																																																
References	Main :																																																
	1. <ol style="list-style-type: none"> 1. Job Sheet Peraktek kerja batu, Agus Wiyono, 2015 2. Menggambar Bangunan tingkat lanjut Direktorat PSMK, Dikbud, 2008 3. Fundamentals of Building construction material and methods. Edward Allen, Erlangga, 2005 4. Ernest Neufert, Sunarto Tjahjadi, Erlangga, 1996 																																																
	Supporters:																																																
Supporting lecturer	DIDIEK PURWADI Ir. Nurhayati Aritonang, 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	Get to know: the meaning and scope of practicing stone skills	Explain: the meaning and scope of practicing stone skills	Criteria: Full marks are obtained if students can explain the meaning and scope of practice of masonry skills completely and clearly.	Lectures, discussions, questions and answers 4 X 50			0%
2	Get to know: Equipment and materials used to practice masonry skills	Describes the equipment and materials used to practice masonry skills	Criteria: Full marks are obtained if students can explain the equipment and materials used in practicing masonry skills completely and clearly.	Lectures, discussions and questions and answers. 4 X 50			0%
3	Able to make straight 1/2 stone wall pairs	<ol style="list-style-type: none"> 1.Explain practical tools for installing 1/2 straight stone walls 2.Explain practical materials for installing 1/2 straight stone walls 3.Explains the practical procedure for installing 1/2 straight stone walls 	Criteria: Full marks are obtained if the student can make a pair of straight 1/2 stone walls that are flat, not chipped, perpendicular, quickly and cleanly.	Practical 4 X 50			0%
4	Able to make L type 1/2 stone wall pairs	<ol style="list-style-type: none"> 1.Explain the practical tools for installing L type 1/2 stone walls 2.Explain the practical materials for installing 1/2 stone wall type L 3.Explain the practical procedure for installing 1/2 stone L type walls 	Criteria: Full marks are obtained if the student can make a pair of L-type 1/2 stone walls with angles, flat, non-slip, perpendicular, quickly and cleanly.	Practical 4 X 50			0%

5	Able to make T type 1/2 stone wall pairs	<ol style="list-style-type: none"> 1.Explain the practical tools for installing T-type 1/2 stone walls 2.Explain practical materials for installing 1/2 stone type T walls 3.Explain the practical procedure for installing 1/2 stone type T walls 	Criteria: Full marks are obtained if students can make a pair of T-type 1/2 stone walls with angles, flat, non-slip, perpendicular, quickly and cleanly.	Practical 4 X 50			0%
6	Able to make cross-type 1/2 stone wall pairs	<ol style="list-style-type: none"> 1.Explains the practical tools for pairing a 1/2 stone wall with a cross type 2.Explains the practical material for pairing a 1/2 stone wall with a cross type 3.Explains the practical procedure for pairing a 1/2 stone cross-type wall 	Criteria: Full marks are obtained if the student can make a pair of 1/2 stone walls of the cross type with angles, flat, without blades, perpendicular, quickly and cleanly.	Practical 4 X 50			0%
7	U.S.S			4 X 50			0%
8	Able to make a pair of straight 1 stone walls	<ol style="list-style-type: none"> 1.Explains practical tools for installing 1 straight stone wall 2.Explains the practical material for installing 1 straight stone wall 3.Explains the practical procedure for installing 1 straight stone wall 	Criteria: Full marks are obtained if the student can make a pair of 1-stone L-type walls with angles, flat, non-slip, perpendicular, quickly and cleanly.	Practical 4 X 50			0%

9	Able to make L type 1 stone wall pairs	<ol style="list-style-type: none"> 1.Explains practical tools for installing 1 straight stone wall 2.Explains the practical material for installing 1 straight stone wall 3.Explains the practical procedure for installing 1 straight stone wall 	Criteria: Full marks are obtained if the student can make a T-type 1-stone wall with angles, flat, non-slip, perpendicular, fast and clean.	Practical 4 X 50			0%
10	Able to make T type 1 stone wall pairs	<ol style="list-style-type: none"> 1.Explains practical tools for installing 1 straight stone wall 2.Explains the practical material for installing 1 straight stone wall 3.Explains the practical procedure for installing 1 straight stone wall 	Criteria: Full marks are obtained if students can make a pair of 1-stone walls of the cross type with angles, flat, non-slip, perpendicular, quickly and cleanly.	Practical 4 X 50			0%
11	Able to make cross-type 1-stone wall pairs	<ol style="list-style-type: none"> 1.Explains the practical tools for pairing a 1-stone wall with a cross type 2.Explains the practical material for pairing a 1-stone wall with a cross type 3.Explains the practical procedure for installing a cross-type 1-stone wall 	Criteria: Full marks are obtained if the student can make a begel with an elbow, flat, without blades, the right size, quickly and cleanly.	Practical 4 X 50			0%

12	Able to make begel 1	<ol style="list-style-type: none"> 1.Explain practical tools for making begel 1 2.Explain the practical materials for making begel 1 3.Explain the practical procedure for making begel 1 	Criteria: Full marks are obtained if the student can make a begel with an elbow, flat, without blades, the right size, quickly and cleanly.	Practical 4 X 50			0%
13	Able to make begel 2	<ol style="list-style-type: none"> 1.Explain the practical tools for making begel 2 2.Explain the practical materials for making begel 2 3.Explain the practical procedure for making begel 2 	Criteria: Full marks are obtained if students can assemble columns with strong ties, the right size, quickly and cleanly.	Practical 4 X 50			0%
14	Able to create columns	<ol style="list-style-type: none"> 1.Explain the practical tools for making columns 2.Explain the practical material for making columns 3.Explain the practical procedure for making columns 	Criteria: Full marks are obtained if students can make a complete and clear report.	Practical 4 X 50			0%
15	Able to prepare reports	Explain how to prepare reports	Criteria: Full marks are obtained if students can make a complete and clear report.	Discussion, Question and answer 4 X 50			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.