

		<b>Universitas Negeri Surabaya</b> <b>Faculty of Engineering,</b> <b>Building Engineering Education Undergraduate Study</b> <b>Program</b>					<b>Document Code</b>																		
<b>SEMESTER LEARNING PLAN</b>																									
<b>Courses</b>		<b>CODE</b>	<b>Course Family</b>		<b>Credit Weight</b>		<b>SEMESTER</b>	<b>Compilation Date</b>																	
Stone, Steel and Formwork Practices		8320503273			T=2	P=1	ECTS=4.77	5 July 17, 2024																	
<b>AUTHORIZATION</b>		<b>SP Developer</b>		<b>Course Cluster Coordinator</b>			<b>Study Program Coordinator</b>																		
		.....		.....			Dr. Gde Agus Yudha Prawira Adistana, S.T., M.T.																		
<b>Learning model</b>	Project Based Learning																								
<b>Program Learning Outcomes (PLO)</b>	PLO study program which is charged to the course																								
	Program Objectives (PO)																								
	PLO-PO Matrix																								
	<table border="1" style="margin: auto;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">P.O</td> <td colspan="16"></td> </tr> </table>									P.O															
	P.O																								
<b>Short Course Description</b>	Understanding simple stone and concrete work, equipment and materials used, stone wall masonry work, single stone wall masonry work, and iron work.																								
<b>References</b>	<b>Main :</b>																								
	1. Agus Wiyono, 2015, Job Sheet Peraktek kerja batu, Unipress 2. Dikbud, 2008, Menggambar Bangunantingkat lanjut Direktorat PSMK, Unipress 3. Edward Allen, 2005 Fundamentals of Building construction material and methods. , Erlangga 4. Ernest Neufert, 1996, Sunarto Tjahjadi, Erlangga,																								
	<b>Supporters:</b>																								
<b>Supporting lecturer</b>	Ir. Nurhayati Aritonang, M.T. Dr. Ir. H. Soeparno, M.T.																								
<b>Week-</b>	<b>Final abilities of each learning stage (Sub-PO)</b>	<b>Evaluation</b>		<b>Help Learning, Learning methods, Student Assignments, [ Estimated time]</b>			<b>Learning materials [ References ]</b>	<b>Assessment Weight (%)</b>																	
		<b>Indicator</b>	<b>Criteria &amp; Form</b>	<b>Offline ( offline )</b>	<b>Online ( online )</b>																				
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>	<b>(6)</b>		<b>(7)</b>	<b>(8)</b>																	

1	Get to know: the meaning and scope of practicing stone skills	Explain: the meaning and scope of practicing stone skills		Lectures, discussions, questions and answers 4 X 50			0%
2	Get to know: Equipment and materials used to practice masonry skills	Describe the equipment and materials used		Lectures, discussions and questions and answers. 2 X 50			0%
3	Able to make straight stone walls	Describes a pair of straight stone walls		Practical 4 X 50			0%
4	Able to make L type stone wall pairs	Explain the steps for installing L type stone walls		Practical 4 X 50			0%
5	Able to make T type stone wall pairs	Explain the steps for installing a T type stone wall		Practical 4 X 50			0%
6	Able to make cross-type stone wall pairs	Explains how to install a cross-type stone wall		Practical 4 X 50			0%
7	Midterm exam			4 X 50			0%
8	Able to make straight 1 stone wall pairs	Describes a pair of straight 1 stone walls		Practical 4 X 50			0%
9	Able to make L type 1 stone wall pairs	Explain the steps for installing a 1-stone L type wall		Practical 4 X 50			0%
10	Able to make T type 1 stone wall pairs	Explain the steps for installing a T-type 1 stone wall		Practical 4 X 50			0%
11	Able to make cross-type 1-stone wall pairs	Explains how to install a cross-type 1 stone wall		Practical 4 X 50			0%
12	Able to make begel 1	Explain how to make begel 1		Practical 4 X 50			0%
13	Able to make begel 2	Explain how to make begel 2		Practical 4 X 50			0%
14	Able to create columns	Explains how to create columns		Practical 4 X 50			0%
15	Able to prepare reports	Explain how to prepare reports		4 X 50 Discussion			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.