

		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																																										
Wood Skills Practice		8320502183			T=2	P=0	ECTS=3.18	7 July 18, 2024																																										
AUTHORIZATION		SP Developer		Course Cluster Coordinator		Study Program Coordinator																																												
			Dr. Gde Agus Yudha Prawira Adistana, 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																																																	
		<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: 2%;">1</td> <td style="width: 2%;">2</td> <td style="width: 2%;">3</td> <td style="width: 2%;">4</td> <td style="width: 2%;">5</td> <td style="width: 2%;">6</td> <td style="width: 2%;">7</td> <td style="width: 2%;">8</td> <td style="width: 2%;">9</td> <td style="width: 2%;">10</td> <td style="width: 2%;">11</td> <td style="width: 2%;">12</td> <td style="width: 2%;">13</td> <td style="width: 2%;">14</td> <td style="width: 2%;">15</td> <td style="width: 2%;">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	1) Understanding of manual and mechanical wood working tools, K3, manual planing, making various straight joints, making wood connections. Make construction models of trusses, tables, frames such as straight, slanted lip joints, etc. Counting materials 2) The learning model used is a direct learning model 3) Learning method: Lecture, question and answer, practicum and reporting.																																																	
References	Main :																																																	
	1.		1) Suparji.2007. <i>Buku Panduan Praktikum Kayu</i> . Surabaya:Unipres. 2) Sugiharjo.1984. <i>Gambar-gambar Dasar Ilmu Bangunan</i> .Sugiharjo 3) Dian Ariestasi. 2000. <i>Teknik Struktur Bangunan Untuk SMK bse</i> .Jakarta: Ditmenjur 4) Budi Martono dkk. 2008. <i>TeknikPerkayuan Jilid 1 SMK (K3)</i> .Jakarta: Dikbinjur Dirjen Pendidikan Dasar dan Menengah 5) Soegiharjo ,Sodiby.1976. <i>Ilmu Bangunan Gedung 2 jakarta</i> .Dikmenjur 6) Sukardi danBernadus. 2012. <i>Bimbingan TeknisPengelola Laboratorium Juru bengkel SMK Bidang Teknis Permesinan</i> . Jakarta:Direktorat Pembinaan PTK Kementerian Pendidikan dan kebudayaan																																															
	Supporters:																																																	
Supporting lecturer	INDIAH KUSTINI Drs. Hasan Dani, 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 manual and mechanical wood working tools	Students can explain manual and mechanical wood working tools	Criteria: Full marks are obtained if you do all the questions correctly	Lectures, discussions, questions and answers, and 4 X 50 exercises			0%
2	Understanding K3	Students can explain the tools and use of K3	Criteria: Full marks are obtained if you do all the questions correctly	Lectures, discussions, questions and answers, and 4 X 50 exercises			0%
3	Skilled in maintaining tools (planers, chisels, and manual saw teeth)	Students are skilled at maintaining tools (planers, chisels, and manual saw teeth)	Criteria: 1.Full value is obtained if the product: 2.1. Sharp 3.2. Elbow 4.3. Average 5.4. Fast	Practical 4 X 50			0%
4	Skilled in manual planing	Students are skilled at manual planing	Criteria: 1.Full value is obtained if the product: 2.1. Flat 3.2. Average 4.3. Elbow 5.4. Not propelling 6.5. Fast	Practical 4 X 50			0%
5	Skilled in manual planing	Students are skilled at manual planing	Criteria: 1.Full value is obtained if the product: 2.1. Flat 3.2. Average 4.3. Elbow 5.4. Not propelling 6.5. Fast	Practical 4 X 50			0%
6	Skilled in making joints such as straight, slanted lip joints, etc.	Students are skilled at making joints such as straight, slanted lip joints, etc.	Criteria: 1.Full value is obtained if the product: 2.1. Flat 3.2. Average 4.3. Elbow 5.4. Not propelling 6.5. Fast	Practical 4 X 50			0%
7	Skilled in making joints such as straight, slanted lip joints, etc.	Students are skilled at making joints such as straight, slanted lip joints, etc.	Criteria: 1.Full value is obtained if the product: 2.1. Flat 3.2. Average 4.3. Elbow 5.4. Not propelling 6.5. Fast	Practical 4 X 50			0%
8	Skilled in making joints such as straight, slanted lip joints, etc.	Students are skilled at making joints such as straight, slanted lip joints, etc.	Criteria: 1.Full value is obtained if the product: 2.1. Flat 3.2. Average 4.3. Elbow 5.4. Not propelling 6.5. Fast	Practical 4 X 50			0%

9	Skilled at planing with mechanical tools	Students are skilled at planning with mechanical tools	Criteria: 1.Full value is obtained if the product: 2.1. Flat 3.2. Average 4.3. Elbow 5.4. Not propelling 6.5. Fast	Practical 4 X 50			0%
10	Skilled in designing finished goods	Students are skilled at designing finished goods	Criteria: 1.Full value is obtained if the product: 2.1. Interesting 3.2. Effective 4.3. Evisien 5.4. Easy to work with	Practical 4 X 50			0%
11	Skilled in planning cost budgets	Students are skilled at planning cost budgets	Criteria: 1.Full value is obtained if the product: 2.1. Effective 3.2. Evisien	Practical 4 X 50			0%
12	Make models of finished goods, frames, doors, trusses.	Students are skilled at making finished goods: frames, doors, easels.	Criteria: 1.Full value is obtained if the product: 2.1. Effective 3.2. Evisien	Practical 4 X 50			0%
13	Make models of finished goods, frames, doors, trusses.	Students are skilled at making finished goods: frames, doors, easels.	Criteria: 1.Full value is obtained if the product: 2.1. Flat 3.2. Average 4.3. Elbow 5.4. Not propelling 6.5. Fast	Practical 4 X 50			0%
14	Make models of finished goods, frames, doors, trusses.	Students are skilled at making finished goods: frames, doors, easels.	Criteria: 1.Full value is obtained if the product: 2.1. Flat 3.2. Average 4.3. Elbow 5.4. Not propelling 6.5. Fast	Practical 4 X 50			0%
15	Make models of finished goods, frames, doors, trusses.	Students are skilled at making finished goods: frames, doors, easels.	Criteria: 1.Full value is obtained if the product: 2.1. Flat 3.2. Average 4.3. Elbow 5.4. Not propelling 6.5. Fast	Practical 4 X 50			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.