



**Universitas Negeri Surabaya
Faculty of Languages and Arts
Fine Arts Undergraduate Study Program**

Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight	SEMESTER	Compilation Date																																										
Casting and Fabrication	9020103034		T=3 P=0 ECTS=4.77	3	July 16, 2024																																										
AUTHORIZATION	SP Developer		Course Cluster Coordinator		Study Program Coordinator																																										
		Dra. Indah Chrysanti Angge, M.Sn.																																										
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																																													
Short Course Description	PO Matrix at the end of each learning stage (Sub-PO)																																														
		<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td rowspan="2" style="width: 5%;">P.O</td> <td colspan="16">Week</td> </tr> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>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. David J. Gingery. 1983. The Charcoal Foundry (Build Your Own Metal Working Shop from Scrap, Vol. 1). 2. Stephen D. Chastain. 2003. Metal Casting: A Sand Casting Manual for the Small Foundry. Chastain Publishing. 3. Chris toper Beorkem. 2012. Material Strategies in Digital Fabrication. Routledge. 4. Andrew Martin. 2007. The Essential Guide to Mold Making & Slip Casting (A Lark Ceramics Book). Lark Crafts. 5. Sukani. 1984. Pengetahuan Bahan dan Alat Logam. Yogyakarta: ISI Yogyakarta. 6. Untracht, Oppi. 1968. Metal Techniques for Craftmen. New York, USA: Doubleday & Co. Inc. Garden City. <p>Supporters:</p>																																														
Supporting lecturer	Muchlis Arif, S.Sn., M.Sn. Nur Wakhid Hidayatno, S.Sn., M.Sn.																																														
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	Able to explain the creation of three-dimensional works made from metal	1. Describe metal tools and materials. 2. Describe metal manufacturing techniques and construction techniques	Criteria: correspondence between questions and answers Form of Assessment : Participatory Activities	Lectures, discussions, questions and answers 3 X 50			5%
2	Able to make various metal connection construction techniques	Making metal connection construction techniques: 1. Bolt nuts 2. Rivets 3. Sewing folds	Criteria: neatness, strength in metal joint construction techniques Form of Assessment : Assessment of Project Results / Product Assessment, Practices / Performance	Demonstration, practice and discussion 3 X 50			5%
3	Able to create sculpture designs from wire	Create sculptural designs from wire	Criteria: aesthetics, strength, neatness of wire sculpture designs Form of Assessment : Project Results Assessment / Product Assessment	Practice and consultation 3 X 50			5%
4	Able to create designs	Make sculptures from wire according to design	Criteria: accuracy, aesthetics in realizing work according to design Form of Assessment : Project Results Assessment / Product Assessment	Practice and consultation 3 X 50			5%
5	Able to create designs	Make sculptures from wire according to design	Criteria: accuracy, aesthetics in realizing work according to design Form of Assessment : Practice / Performance	Practice and consultation 3 X 50			5%
6	Able to create work designs for reproductions of three-dimensional objects	Create work designs for reproductions of three-dimensional objects	Criteria: 1.management or division of printed areas on three-dimensional objects 2.work design for reproduction of three-dimensional objects Form of Assessment : Project Results Assessment / Product Assessment	3 X 50 guided practice			5%
7	Able to produce reproduction work of three-dimensional objects	produces three-dimensional object reproduction work	Criteria: 1.work results and reproduction work simulations 2.reproductive objects 3.reproduction prints Form of Assessment : Project Results Assessment / Product Assessment	Guided practice 9 X 50			5%

8	Able to produce reproduction work of three-dimensional objects	produces a set of works of reproducing three-dimensional objects	<p>Criteria: a set of work results that reproduce three-dimensional objects</p> <p>Form of Assessment : Project Results Assessment / Product Assessment</p>	Guided practice 9 X 50			15%
9	produces three-dimensional object reproduction work	Mastering work techniques for reproducing three-dimensional objects	<p>Criteria: all bills on instrument items</p> <p>Form of Assessment : Project Results Assessment / Product Assessment</p>	presentation of the results of work on reproduction of three-dimensional objects 3 X 50			5%
10	Be able to explain about reproduction	1. describe tools for reproduction 2. describe materials for negative prints and materials for products	<p>Criteria: aesthetics, strength of negative prints and materials for products</p> <p>Form of Assessment : Project Results Assessment / Product Assessment</p>	lecture, practice 3 X 50			5%
11	Able to create sculpture designs from fiber	Create sculptural designs from fiber plates	<p>Criteria: strength, aesthetics, construction of sculpture designs from fiber</p> <p>Form of Assessment : Project Results Assessment / Product Assessment</p>	Practice and consultation 3 X 50			5%
12	Able to make sculpture models	Make a statue model	<p>Criteria: aesthetics, similarity to a statue model</p> <p>Form of Assessment : Project Results Assessment / Product Assessment</p>	Practice and consultation 3 X 50			5%
13	Able to make negative prints	Making sculpture molds	<p>Criteria: accuracy, aesthetics, strength of negative molding of sculpture</p> <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>	Practice and consultation 6 X 50			5%
14	Able to make negative prints	Making sculpture molds	<p>Criteria: accuracy, aesthetics, strength of negative molding of sculpture</p> <p>Form of Assessment : Project Results Assessment / Product Assessment</p>	Practice and consultation 6 X 50			5%
15	Capable of reproducing statues	Reproducing statues	<p>Criteria: strength, aesthetics of sculpture production from fiber</p> <p>Form of Assessment : Project Results Assessment / Product Assessment</p>	Practice and consultation 3 X 50			5%

16	Able to finish sculptural works	Making finishing works of sculpture from fiber	Criteria: harmony, durability of finishing of fiber sculptures Form of Assessment : Project Results Assessment / Product Assessment	Practice and consultation 3 X 50			15%
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Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	7.5%
2.	Project Results Assessment / Product Assessment	85%
3.	Practice / Performance	7.5%
		100%

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** abilities in the process and student learning outcomes are specific and measurable statements that identify the abilities 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.