



Universitas Negeri Surabaya
Faculty of Languages and Arts
Bachelor of Fine Arts Education Study Program

Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight	SEMESTER	Compilation Date																																																																																				
Metal Crafts	8821003101	Study Program Elective Courses	T=3 P=0 ECTS=4.77	4	July 17, 2024																																																																																				
AUTHORIZATION	SP Developer		Course Cluster Coordinator	Study Program Coordinator																																																																																					
	Dra. Indah Chrysanti Angge, M.Sn., Fera Ratyaningrum. S.Pd., M.Pd.		Fera Ratyaningrum, S.Pd., M.Pd.																																																																																					
Learning model	Project Based Learning																																																																																								
Program Learning Outcomes (PLO)	PLO study program which is charged to the course																																																																																								
	PLO-6	Able to work effectively individually and in groups and has a passion for entrepreneurship.																																																																																							
	PLO-12	Able to develop skills and management in creating fine arts in entrepreneurship.																																																																																							
	Program Objectives (PO)																																																																																								
	PO - 1	Students can analyze materials, tools, techniques and procedures for making metal craft works																																																																																							
	PO - 2	Students can design the creation of metal craft works based on considerations of expression function and learning support function																																																																																							
	PO - 3	Students can create metal craft works based on considerations of expression function and learning support function																																																																																							
	PLO-PO Matrix																																																																																								
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PO Matrix at the end of each learning stage (Sub-PO)																																																																																									
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Short Course Description	This course contains knowledge of materials, tools and various techniques for making metal craft works, up to the finishing process, and its application, in order to master the skills to create two-dimensional metal craft works using etching and pressing techniques. The learning strategy is carried out through understanding theory/material, practicing designing, and practicing making two-dimensional metal craft works.																																																																																								
References	Main :																																																																																								
	<ol style="list-style-type: none"> 1. Timbul Haryono. 2002. LOGAM & PERADABAN MANUSIA DALAM PERSPEKTIF HISTORIS ARKEOLOGIS. Yogyakarta: Universitas Gadjah Mada 2. Sukani. 1985. PENGETAHUAN BAHAN & ALAT LOGAM. Yogyakarta : ISI Jurusan Desain Kriya 3. Oppi Untracht. 1968. METAL TECHNIQUES FOR CRAFTSMEN. New York: Doubleday& Company. 4. Harun AR, George. 1986. TEORI & PRAKTEK KERJA LOGAM. Jakarta: Erlangga. 5. Richard Hughes & Michael Rowe. 1994. THE COLOURING, BRONZING & PATINATION OF METALS. London: Thames & Hudson 6. Indah Chrysanti Angge. 2002. KERAJINAN LOGAM. Surabaya: UPRESS 7. Indah Chrysanti Angge. 2016. DASAR-DASAR KRIYA LOGAM. Surabaya: UPRESS 																																																																																								
	Supporters:																																																																																								
Supporting lecturer	Dra. Indah Chrysanti Angge, 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	College contract, knowledge of Metal Crafts	College contract, knowledge of Metal Crafts	<p>Criteria:</p> <p>1.-Full marks are obtained if you can explain well and correctly</p> <p>2.A = If students are able to explain how to make pressed metal works correctly (80-100)</p> <p>3.B = If students are not able to explain how to make pressed metal works correctly (70-79)</p> <p>4.C = If students are unable to explain how to make pressed metal works correctly (60-69)</p> <p>Forms of Assessment : Participatory Activities, Portfolio Assessment, Tests</p>	Lectures, discussions, questions and answers 3 X 50		<p>Material: About metal tools and materials</p> <p>Reference: <i>Sukani. 1985. KNOWLEDGE OF METAL MATERIALS & TOOLS. Yogyakarta: ISI Craft Design Department</i></p> <p>Material: Knowledge about Indonesian metal crafts</p> <p>Reader: <i>Timbul Haryono. 2002. METALS & HUMAN CIVILIZATION IN AN ARCHEOLOGICAL HISTORICAL PERSPECTIVE. Yogyakarta: Gadjah Mada University</i></p>	4%
2	Able to make metal craft designs using press techniques	Create metal craft designs using press techniques	<p>Criteria:</p> <p>1.Full marks are obtained if the design is made in accordance with the theme and function of the work</p> <p>2.A = If students are able to create thematic metal work designs using the flora/fauna theme (80-100)</p> <p>3.B = If students are not able to create technical metal work designs, press the flora/fauna theme correctly (70-79)</p> <p>4.C= If students are unable to design technical metal works, press the flora/fauna theme correctly (60-69)</p> <p>Forms of Assessment : Project Results Assessment / Product Assessment, Practical Assessment, Practice / Performance</p>	Studio practice, presentation and discussion 3 X 50		<p>Material: About press engineering works</p> <p>Reader: <i>Indah Chrysanti Angge. 2002. METAL CRAFTS. Surabaya: UPRESS</i></p>	7%

3	Able to make 2 metal crafts using pressing techniques.	Practice transferring designs onto aluminum surfaces	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Full marks are obtained if the design is in accordance with the theme and function of the work 2. A = If the student is able to transfer the design onto an aluminum metal surface correctly and neatly (80-100) 3. B = If the student is unable to transfer the design onto an aluminum metal surface properly and neatly (70-79) 4. C = If the student is unable to transfer the design onto the aluminum metal surface properly and neatly (60-69) <p>Forms of Assessment : Project Results Assessment / Product Assessment, Practical Assessment, Practice / Performance</p>	Studio practice, presentation and discussion 3 X 50		<p>Material: technique of transferring designs on a metal surface Reader: <i>Oppi Untracht. 1968. METAL TECHNIQUES FOR CRAFTSMEN. New York: Doubleday & Company.</i></p>	5%
4	Able to make press technique metal craft works	Carry out the process of making a depression on the negative part of the metal	<p>Criteria:</p> <ol style="list-style-type: none"> 1. A = If students are able to make depressions in thematic metal works, press the flora/fauna theme (80-100) 2. B = If students are not able to make depressions in thematic metal works, press the flora/fauna theme (70-79) 3. C = If students are unable to make depressions in thematic metal works, press the flora/fauna theme (60-69) <p>Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Practical Assessment, Practical / Performance</p>	Studio practice, presentation and discussion 3 X 50		<p>Material: Material about pressing techniques Reader: <i>Indah Chrysanti Angge. 2016. BASICS OF METAL CRAFTS. Surabaya: UPRESS</i></p>	5%

5	Able to make press technique metal craft works	Smoothing out the convex shape of the press technique metal craft work according to the flora/fauna design created	<p>Criteria:</p> <ol style="list-style-type: none"> 1..Full marks are obtained if students can tidy up the convex shape on the positive part of the metal neatly and correctly 2.A = If students are able to straighten out convex shapes in thematic metal works, press the flora/fauna theme (80-100) 3.B= If students are unable to straighten out convex shapes in thematic metal works, press the flora/fauna theme (70-79) 4.C = If students are unable to straighten out convex shapes in thematic metal works, press the flora/fauna theme (70-79) <p>Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Practical Assessment, Practical / Performance</p>	Studio practice, presentation and discussion 3 X 50		<p>Material: Material about pressing techniques Reader: Indah Chrysanti Angge. 2016. <i>BASICS OF METAL CRAFTS.</i> Surabaya: UPRESS</p>	5%
6	Able to make press technique metal craft works	Creating textures in press technique metal craft works	<p>Criteria:</p> <p>Full marks are obtained if students can carry out the process of peeling off the design covering material well and correctly</p> <p>Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Practices / Performance</p>	Studio practice, presentation and discussion 3 X 50		<p>Material: About pressing techniques Reader: Indah Chrysanti Angge. 2016. <i>BASICS OF METAL CRAFTS.</i> Surabaya: UPRESS</p>	5%

7	Able to create textures in metal craft works using press techniques	Create various textures in metal craft works using pressing techniques	<p>Criteria:</p> <ol style="list-style-type: none"> 1..Full marks are obtained if students can carry out the process of making textures according to the correct work steps 2.A = If students are able to create textures on thematic metal works, press the flora/fauna theme correctly and neatly (80-100) 3.B= If students are not able to create textures on thematic metal works, press the flora/fauna theme correctly and neatly (70-79) 4.C = If students are unable to create textures on thematic metal works, press the flora/fauna theme correctly and neatly (60-69) <p>Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Practices / Performance</p>	Studio practice, presentation and discussion 3 X 50		<p>Material: About pressing techniques Reader: <i>Indah Chrysanti Angge. 2016. BASICS OF METAL CRAFTS. Surabaya: UPRESS</i></p>	5%
8	Mastery of metal craft materials, pressing techniques	Mastering metal craft material including materials, tools, techniques and finishing	<p>Criteria:</p> <ol style="list-style-type: none"> 1.Full marks are obtained if students can answer and explain the questions well and correctly 2.A = If the student is able to carry out the finishing process according to the procedure properly and correctly (80-100) 3.B = If the student is not able to carry out the finishing process according to the procedure properly and correctly (70-79) 4.C = If the student is unable to carry out the finishing process according to the procedure properly and correctly (60-69) <p>Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Practices / Performance</p>	Discussion, questions and answers 3 X 50		<p>Material: material about metal finishing Reader: <i>Richard Hughes & Michael Rowe. 1994. THE COLOURING, BRONZING & PATINATION OF METALS. London: Thames & Hudson</i></p>	10%

9	Able to make metal craft works using etching techniques	Create metal craft designs using etching techniques	<p>Criteria:</p> <ol style="list-style-type: none"> 1..Full marks are obtained if students can design etching engineering works properly and correctly. 2.A = If students are able to create metal work designs with etching techniques on flora/fauna themes (80-100) 3.B = If students are not able to create designs for metal works with etching techniques on flora/fauna themes (70-79) 4.C = If the student is unable to create metal work designs with etching techniques on flora/fauna themes (60-69) <p>Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Practices / Performance</p>	Studio practice, question and answer and discussion 3 X 50		<p>Material: Material about pressing techniques Reader: Indah Chrysanti Angge. 2016. <i>BASICS OF METAL CRAFTS</i>. Surabaya: UPRESS</p>	10%
10	Able to make metal craft works using etching techniques	<ol style="list-style-type: none"> 1.Create metal crafts using etching techniques. 2.Preparation of materials and the process of covering metal with covering materials. 	<p>Criteria:</p> <ol style="list-style-type: none"> 1.Full marks are obtained if students can cover metal with insulation correctly and neatly. 2.A = If the student is able to cover the insulation on the aluminum metal surface properly and neatly (80-100) 3.B = If the student is not able to cover the insulation on the aluminum metal surface properly and neatly (80-100) 4.C = If the student is unable to cover the insulation on the aluminum metal surface properly and neatly (80-100) <p>Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Practices / Performance</p>	studio practice, demonstration and discussion 3 X 50		<p>Material: About etching techniques Reader: Indah Chrysanti Angge. 2016. <i>BASICS OF METAL CRAFTS</i>. Surabaya: UPRESS</p>	4%

11	Able to make metal craft works using etching techniques	<p>1.Making metal craft works using etching techniques.</p> <p>2.Transferring the design over the surface of the insulation/covering material on the metal surface.</p>	<p>Criteria:</p> <p>1.Full marks are obtained if students are able to transfer the design onto the covering material properly and correctly</p> <p>2.A = If the student is able to transfer the design onto the covering material on the aluminum metal surface correctly and neatly (80-100)</p> <p>3.B = If the student is not able to transfer the design onto the covering material on the aluminum metal surface properly and neatly (70-79)</p> <p>4.C = If the student is unable to transfer the design onto the covering material on the aluminum metal surface properly and neatly (60-69)</p> <p>Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Practical Assessment, Practical / Performance</p>	studio practice, demonstration and discussion 3 X 50		<p>Material: About etching techniques Reader: Indah Chrysanti Angge. 2016. BASICS OF METAL CRAFTS. Surabaya: UPRESS</p>	5%
12	Able to make metal craft works using etching techniques	Making metal craft works using etching techniques, the process of removing isolation for the background of the motif	<p>Criteria:</p> <p>1.Full marks are obtained if students are able to carry out the process of peeling off the isolation from the background of the image neatly and correctly.</p> <p>2.A = if the student is able to carry out the process of peeling off the isolation from the background of the image neatly and correctly. (80-100)</p> <p>3.B = if the student is not able to carry out the process of peeling off the isolation from the background of the image neatly and correctly. (70-79)</p> <p>4.C = if the student is unable to carry out the process of peeling off the isolation from the background of the image neatly and correctly. (60-69)</p> <p>Form of Assessment : Practical Assessment, Practice/Performance</p>	studio practice, demonstration and discussion 3 X 50		<p>Material: About etching techniques Reader: Indah Chrysanti Angge. 2016. BASICS OF METAL CRAFTS. Surabaya: UPRESS</p>	5%

13	Able to make finishing	1.Create works of etching techniques. 2.Metal scraping process.	Criteria: 1.Full marks are obtained if students are able to carry out the metal scraping process properly and correctly 2.A = If the student is able to carry out the metal scraping process using the etching technique properly and correctly (80-100) 3.B = If the student is not able to carry out the metal scraping process using the etching technique properly and correctly (70-79) 4.C = If the student is unable to carry out the metal scraping process using the etching technique properly and correctly (60-69) Forms of Assessment : Project Results Assessment / Product Assessment, Practical Assessment, Practice / Performance	studio practice, demonstration and discussion 3 X 50		Material: About etching techniques Reader: Indah Chrysanti Angge. 2016. <i>BASICS OF METAL CRAFTS</i> . Surabaya: UPRESS	5%
14	Able to cut metal in metal etching techniques	Carry out the metal cutting process neatly	Criteria: 1.Full marks are obtained if students are able to cut metal neatly and correctly. (80-100) 2.A = If the student is able to cut aluminum metal properly and neatly (80-100) 3.B = If students are not able to cut aluminum metal properly and neatly (70-79) 4.C = If the student is unable to cut aluminum metal properly and neatly (60-69) Forms of Assessment : Participatory Activities, Project Results Assessment / Product Assessment, Practical Assessment, Practical / Performance	studio practice, demonstration and discussion 3 X 50		Material: About etching techniques Reader: Indah Chrysanti Angge. 2016. <i>BASICS OF METAL CRAFTS</i> . Surabaya: UPRESS Material: About etching techniques Reference: Oppi Untracht. 1968. <i>METAL TECHNIQUES FOR CRAFTSMEN</i> . New York: Doubleday & Company.	5%

15	Able to carry out the finishing process of etching engineering works	Applying the etching technique finishing process	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Full marks are obtained if the student is able to finish the etching technique neatly and correctly. 2. A = if the student is able to finish the etching technique neatly and correctly. (80-100) 3. B = if the student is not able to finish the etching technique neatly and correctly. (70-79) 4. C = if the student is unable to finish the etching technique neatly and correctly. (60-79) <p>Form of Assessment : Participatory Activities, Practice/Performance</p>	studio practice, demonstration and discussion 3 X 50		<p>Material: Material about metal finishing Reference: <i>Richard Hughes & Michael Rowe. 1994. THE COLOURING, BRONZING & PATINATION OF METALS. London: Thames & Hudson</i></p> <p>Material: Material about metal finishing Reader: <i>Indah Chrysanti Angge. 2016. BASICS OF METAL CRAFTS. Surabaya: UPRESS</i></p>	5%
16	<ol style="list-style-type: none"> 1. UAS. Work accountability 2. Students are able to present the concepts and responsibilities of press technique work and etching technique work. 	<ol style="list-style-type: none"> 1. Presentation of concept and accountability of work 2. Exhibition of works 	<p>Criteria:</p> <ol style="list-style-type: none"> 1. A = If the student is able to present the concept and accountability of his work in detail (80-100) 2. B = If students are less able to present the concept and accountability of their work in detail (70-79) 3. C = If the student is unable to present the concept and accountability of his work in detail (60-69) <p>Form of Assessment : Project Results Assessment / Product Assessment, Test</p>	15 minute presentation and question and answer		<p>Material: About etching techniques Reader: <i>Indah Chrysanti Angge. 2016. BASICS OF METAL CRAFTS. Surabaya: UPRESS</i></p>	15%

Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	20.16%
2.	Project Results Assessment / Product Assessment	29.5%
3.	Portfolio Assessment	1.33%
4.	Practical Assessment	13.17%
5.	Practice / Performance	27%
6.	Test	8.83%
		99.99%

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** 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.
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.