



**Universitas Negeri Surabaya**  
**Faculty of Languages and Arts**  
**Undergraduate Study Program Drama Arts, Dance and Music Education**

Document Code

**SEMESTER LEARNING PLAN**

<b>Courses</b>	<b>CODE</b>	<b>Course Family</b>	<b>Credit Weight</b>			<b>SEMESTER</b>	<b>Compilation Date</b>											
Organological Acoustics	8820902002		T=2	P=0	ECTS=3.18	3	July 18, 2024											
<b>AUTHORIZATION</b>	<b>SP Developer</b>		<b>Course Cluster Coordinator</b>			<b>Study Program Coordinator</b>												
	.....		.....			Dr. Welly Suryandoko, S.Pd., M.Pd.												
<b>Learning model</b>	<b>Case Studies</b>																	
<b>Program Learning Outcomes (PLO)</b>	<b>PLO study program that is charged to the course</b>																	
	<b>Program Objectives (PO)</b>																	
	<b>PLO-PO Matrix</b>																	
		P.O																
<b>Short Course Description</b>	<b>PO Matrix at the end of each learning stage (Sub-PO)</b>																	
		P.O	Week															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>References</b>	<b>Main :</b>																	
	<ol style="list-style-type: none"> <li>1. Kustap Muttaqim, Moh. 2008. Pengantar Musikologi Untuk SMK, MUSIK KLASIK. Direktorat Pembinaan SMK, Direktorat Jendral Manajemen Pendidikan Dasar dan Menengah, Departemen Pendidikan Nasional.</li> <li>2. Nofrijon, Drs. 1995. TATA SUARA DAN AKUSTIKA, Buku Pegangan Mata Kuliah Tata Suara Dan Akustika. Sekolah Tinggi Seni Indonesia Surakarta.</li> <li>3. Prier, Edmund. Karl. SJ. 2008. Sejarah Musik I. Yogyakarta: Pusat Musik Liturgi.</li> <li>4. Ruslani B. A, 1992. SUARA Hi-Fi, Pelengkap Cross Over. Bandung, Carya Remaja.</li> <li>5. Suwardi A.L, 2007. Rekayasa Instrumen Dalam Penciptaan Musik Inovatif 1D, Makalah dalam Seminar PENGEMBANGAN ILMU BUDAYA, SIMPOSIUM PENCIPTAAN SENI. Sekolah Tinggi Seni Indonesia Surakarta.</li> </ol>																	
	<b>Supporters:</b>																	
<b>Supporting lecturer</b>	Joko Winarko, 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	Know the outline of the Acoustic Organology lecture material. Understand the Acoustic Organology lecture contract	<ol style="list-style-type: none"> <li>1.State the outline of the Acoustic Organology lecture material</li> <li>2.Agree on an Acoustic Organology lecture contract</li> </ol>	<b>Criteria:</b> <ol style="list-style-type: none"> <li>1.ASSESSMENT RUBRIC</li> <li>2.SCORE</li> <li>3.CRITERIA</li> <li>4.4</li> <li>5.Complete and precise explanation</li> <li>6.3</li> <li>7.Complete explanation but not precise</li> <li>8.2</li> <li>9.The explanation is incomplete and inaccurate</li> <li>10.1</li> <li>11.Explanations are incomplete and inaccurate</li> </ol>	Lectures 2 X 50			0%											

2	Know the meaning of Acoustics and Organology. Understand the history of the development of Acoustic Organology in the field of musical arts	1.Explain the meaning of Acoustic Organology 2.Concluding the development of Acoustic Organology in the art of music	<b>Criteria:</b> 1.ASSESSMENT RUBRIC 2.SCORE 3.CRITERIA 4.4 5.Complete and precise explanation 6.3 7.Complete explanation but not precise 8.2 9.The explanation is incomplete and inaccurate 10.1 11.Explanations are incomplete and inaccurate	Lecture Discussion Questions and Answers Giving assignments 2 X 50			0%
3	Know the classification of musical instruments in terms of presentation techniques and materials	1.Explain the classification of musical instruments in terms of technique and materials 2.concludes the explanation of musical instruments in terms of techniques and materials	<b>Criteria:</b> 1.ASSESSMENT RUBRIC 2.SCORE 3.CRITERIA 4.4 5.Complete and precise explanation 6.3 7.Complete explanation but not precise 8.2 9.The explanation is incomplete and inaccurate 10.1 11.Explanations are incomplete and inaccurate	Scientific approach Lecture Discussion Questions and Answers Assignment 2 X 50			0%
4	Knowing the meaning of musical instruments in terms of techniques and materials, the focus of Idiophone	1.Explaining the meaning of musical instruments in terms of technique and materials, focus on Idiophone 2.Concluding the definition of musical instruments in terms of techniques and materials, the focus is Idiophone	<b>Criteria:</b> 1.ASSESSMENT RUBRIC 2.SCORE 3.CRITERIA 4.4 5.Complete and precise explanation 6.3 7.Complete explanation but not precise 8.2 9.The explanation is incomplete and inaccurate 10.1 11.Explanations are incomplete and inaccurate	Scientific Approach Lecture Discussion Questions and Answers Assignment 2 X 50			0%
5	Know the meaning of classification of musical instruments in terms of Aerofone	1.Explain the meaning of classification of musical instruments in terms of Aerofone 2.Concluding the meaning of musical instrument classification in terms of Aerofone	<b>Criteria:</b> 1.ASSESSMENT RUBRIC 2.SCORE 3.CRITERIA 4.4 5.Complete and precise explanation 6.3 7.Complete explanation but not precise 8.2 9.The explanation is incomplete and inaccurate 10.1 11.Explanations are incomplete and inaccurate	Scientific Approach Lecture Discussion Questions and Answers Assignment 2 X 50			0%

6	<p>Understanding the meaning of musical instruments in terms of techniques and materials, focus on Coordophone</p> <p>Understanding the meaning of musical instruments in terms of techniques and materials, focus on coordophone</p>	<p>1.Explains the meaning of musical instruments in terms of techniques and materials, focusing on the chordophone</p> <p>2.Concluding the definition of musical instruments in terms of technique and materials, focus on coordophone</p>	<p><b>Criteria:</b></p> <p>1.ASSESSMENT RUBRIC</p> <p>2.SCORE</p> <p>3.CRITERIA</p> <p>4.4</p> <p>5.Complete and precise explanation</p> <p>6.3</p> <p>7.Complete explanation but not precise</p> <p>8.2</p> <p>9.The explanation is incomplete and inaccurate</p> <p>10.1</p> <p>11.Explanations are incomplete and inaccurate</p>	<p>Scientific Approach Lecture</p> <p>Discussion Questions and Answers</p> <p>Assignment</p> <p>2 X 50</p>			0%
7	<p>Knowing musical instruments in terms of technique and materials, focus on Memranophone</p> <p>Understanding musical instruments in terms of technique and materials, Focus on Memranophone</p>	<p>1.Explains musical instruments in terms of technique and materials, focusing on membranophone.</p> <p>2.Summarizing musical instruments in terms of technique and materials, focus on membranophone</p>	<p><b>Criteria:</b></p> <p>1.ASSESSMENT RUBRIC</p> <p>2.SCORE</p> <p>3.CRITERIA</p> <p>4.4</p> <p>5.Complete and precise explanation</p> <p>6.3</p> <p>7.Complete explanation but not precise</p> <p>8.2</p> <p>9.The explanation is incomplete and inaccurate</p> <p>10.1</p> <p>11.Explanations are incomplete and inaccurate</p>	<p>Scientific Approach Lecture</p> <p>Discussion Questions and Answers</p> <p>Assignment</p> <p>2 X 50</p>			0%
8	<p>Understanding musical instruments in terms of techniques and materials, focusing on electrophones</p>	<p>Understanding of musical instruments in terms of techniques and materials, focusing on electrophones</p>	<p><b>Criteria:</b></p> <p>1.Assessment rubric</p> <p>2.No</p> <p>3.Criteria</p> <p>4.Weight</p> <p>5.Score</p> <p>6.Amount</p> <p>7.1</p> <p>8.2</p> <p>9.3</p> <p>10.4</p> <p>11.1</p> <p>12.Comparison of the modus system of Ancient Greece with the Middle Ages</p> <p>13.2</p> <p>14.2</p> <p>15.Comparison of the function of music in Europe and Asia in ancient times</p> <p>16.2</p> <p>17.3</p> <p>18.Comparison of ars antiqua and ars nova music theory</p> <p>19.3</p> <p>20.4</p> <p>21.The development of vocal music and its functions from the Middle Ages to the Renaissance</p> <p>22.3</p> <p>23.Amount</p> <p>24.Final Value (Total: 40) x 100</p> <p>25.Description: Score 4: Complete and accurate explanation, Score 3: Complete and inaccurate explanation.</p> <p>26.Score 2: Explanation is incomplete and inaccurate, Score 1: Explanation is incomplete.</p>	<p>Scientific Approach Lecture</p> <p>Discussion Questions and Answers</p> <p>Assignment</p> <p>2 X 50</p>			0%

9	Know the meaning of acoustic organology, classification of musical instruments in terms of musical materials and techniques	<ol style="list-style-type: none"> <li>1.Explains the meaning of acoustic organology, classification of musical instruments in terms of musical materials and techniques</li> <li>2.Concluding the understanding of organological acoustics, classification of musical instruments in terms of musical materials and techniques</li> </ol>	<b>Criteria:</b> 1.ASSESSMENT RUBRIC 2.SCORE 3.CRITERIA 4.4 5.Complete and precise explanation 6.3 7.Complete explanation but not precise 8.2 9.The explanation is incomplete and inaccurate 10.1 11.Explanations are incomplete and inaccurate	Scientific Approach 2 X 50			0%
10	Knowing the history of the development of acoustics in the art of music. Understanding the history of the development of acoustics in the art of music	<ol style="list-style-type: none"> <li>1.Explain the history of the development of acoustics in the art of music.</li> <li>2.Concluding the history of the development of acoustics in the art of music</li> </ol>	<b>Criteria:</b> 1.ASSESSMENT RUBRIC 2.SCORE 3.CRITERIA 4.4 5.Complete and precise explanation 6.3 7.Complete explanation but not precise 8.2 9.The explanation is incomplete and inaccurate 10.1 11.Explanations are incomplete and inaccurate	Scientific approach Lecture Discussion Questions and Answers Assignment 2 X 50			0%
11	Understanding resonator spaces in musical instruments. Understanding the history of the development of resonator spaces in musical instruments	<ol style="list-style-type: none"> <li>1.Explain the meaning and development of resonator spaces in musical instruments</li> <li>2.Deducing resonator space in musical instruments</li> </ol>	<b>Criteria:</b> 1.ASSESSMENT RUBRIC 2.SCORE 3.CRITERIA 4.4 5.Complete and precise explanation 6.3 7.Complete explanation but not precise 8.2 9.The explanation is incomplete and inaccurate 10.1 11.Explanations are incomplete and inaccurate	Scientific Approach Lecture Discussion Questions and answers Assignment 2 X 50			0%
12	Understanding room acoustics as a sound medium (sound propagation, sound dampening, sound management) Understanding room acoustics as a sound medium (sound propagation, sound dampening, sound management)	<ol style="list-style-type: none"> <li>1.Explain room acoustics as a sound medium (sound propagation, sound dampening, sound management)</li> <li>2.Concluding room acoustics as a sound medium (sound propagation, sound dampening, sound management)</li> </ol>	<b>Criteria:</b> 1.ASSESSMENT RUBRIC 2.SCORE 3.CRITERIA 4.4 5.Complete and precise explanation 6.3 7.Complete explanation but not precise 8.2 9.The explanation is incomplete and inaccurate 10.1 11.Explanations are incomplete and inaccurate	Scientific Approach Lecture Discussion Questions and answers Assignment 2 X 50			0%

13	Understanding room acoustics as a sound medium (sound propagation, sound dampening, sound management) Understanding room acoustics as a sound medium (sound propagation, sound dampening, sound management)	1.Explain room acoustics as a sound medium (sound propagation, sound dampening, sound management) 2.Concluding room acoustics as a sound medium (sound propagation, sound dampening, sound management)	<b>Criteria:</b> 1.ASSESSMENT RUBRIC 2.SCORE 3.CRITERIA 4.4 5.Complete and precise explanation 6.3 7.Complete explanation but not precise 8.2 9.The explanation is incomplete and inaccurate 10.1 11.Explanations are incomplete and inaccurate	Scientific Approach Lecture Discussion Questions and answers Assignment 2 X 50			0%
14	Understanding room acoustics as a sound medium (sound propagation, sound dampening, sound management) Understanding room acoustics as a sound medium (sound propagation, sound dampening, sound management)	1.Explain room acoustics as a sound medium (sound propagation, sound dampening, sound management) 2.Concluding room acoustics as a sound medium (sound propagation, sound dampening, sound management)	<b>Criteria:</b> 1.ASSESSMENT RUBRIC 2.SCORE 3.CRITERIA 4.4 5.Complete and precise explanation 6.3 7.Complete explanation but not precise 8.2 9.The explanation is incomplete and inaccurate 10.1 11.Explanations are incomplete and inaccurate	Scientific ApproachLectureDiscussionQuestions and answersAssignment 2 X 50			0%
15	Knowing the development of room acoustics and musical instruments for presenting music. Understanding the development of room acoustics and musical instruments for presenting music	1.Explain the development of room acoustics and musical instruments for presenting music 2.Summarizes the development of room acoustics and musical instruments for presenting music	<b>Criteria:</b> 1.ASSESSMENT RUBRIC 2.SCORE 3.CRITERIA 4.4 5.Complete and precise explanation 6.3 7.Complete explanation but not precise 8.2 9.The explanation is incomplete and inaccurate 10.1 11.Explanations are incomplete and inaccurate	Scientific ApproachLectureDiscussionQuestions and answersAssignment 2 X 50			0%
16							0%

**Evaluation Percentage Recap: Case Study**

No	Evaluation	Percentage
		0%

**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** 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.
- 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.

