



**Universitas Negeri Surabaya
Faculty of Languages and Arts
Bachelor of Music Study Program**

Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Statistics	9122103129	Compulsory Study Program Subjects	T=3	P=0	ECTS=4.77	2	April 30, 2023
AUTHORIZATION	SP Developer		Course Cluster Coordinator			Study Program Coordinator	
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Learning model	Case Studies
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Program Learning Outcomes (PLO)	PLO study program that is charged to the course	
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PLO-8	Able to apply theoretical and practical aspects in the art of music using academic discourse presentation methods, the results of which are shown in individual paper presentations.
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PLO-11	Able to make the right decisions in the fields of creation, presentation, education and study of music based on accurate information and data analysis, and able to provide alternative solutions to various problems in the field of music in society.
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Program Objectives (PO)	
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PO - 1	Mastering knowledge about the basic concepts of descriptive statistics and inferential statistics.
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PO - 2	Able to apply descriptive statistics in SPSS and examples of its application in the field
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PO - 3	Able to apply the Correlation test in SPSS and examples of its application in the field
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PO - 4	Able to apply regression tests in SPSS and examples of their application in the field
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PO - 5	Able to apply the t test in SPSS and examples of its application in the field
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PLO-PO Matrix	
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	<table border="1"> <thead> <tr> <th>P.O</th> <th>PLO-8</th> <th>PLO-11</th> </tr> </thead> <tbody> <tr> <td>PO-1</td> <td style="text-align: center;">✓</td> <td></td> </tr> <tr> <td>PO-2</td> <td></td> <td style="text-align: center;">✓</td> </tr> <tr> <td>PO-3</td> <td></td> <td style="text-align: center;">✓</td> </tr> <tr> <td>PO-4</td> <td></td> <td style="text-align: center;">✓</td> </tr> <tr> <td>PO-5</td> <td></td> <td style="text-align: center;">✓</td> </tr> </tbody> </table>	P.O	PLO-8	PLO-11	PO-1	✓		PO-2		✓	PO-3		✓	PO-4		✓	PO-5		✓
P.O	PLO-8	PLO-11																	
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PO-5		✓																	

PO Matrix at the end of each learning stage (Sub-PO)	
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	<table border="1"> <thead> <tr> <th rowspan="2">P.O</th> <th colspan="16">Week</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th> </tr> </thead> <tbody> <tr> <td>PO-1</td> <td style="text-align: center;">✓</td><td style="text-align: center;">✓</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>PO-2</td> <td></td><td></td><td style="text-align: center;">✓</td><td style="text-align: center;">✓</td><td style="text-align: center;">✓</td><td style="text-align: center;">✓</td><td style="text-align: center;">✓</td><td style="text-align: center;">✓</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>PO-3</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td style="text-align: center;">✓</td><td style="text-align: center;">✓</td><td style="text-align: center;">✓</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>PO-4</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td style="text-align: center;">✓</td><td style="text-align: center;">✓</td><td></td><td></td><td></td> </tr> <tr> <td>PO-5</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td style="text-align: center;">✓</td><td style="text-align: center;">✓</td><td style="text-align: center;">✓</td> </tr> </tbody> </table>	P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	PO-1	✓	✓															PO-2			✓	✓	✓	✓	✓	✓									PO-3									✓	✓	✓						PO-4												✓	✓				PO-5														✓	✓	✓
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Short Course Description	Ability to understand and apply basic concepts of statistics, including collecting, presenting and analyzing data with descriptive statistics and inferential statistics for the purposes of writing related scientific papers (research).						
References	Main :						
		<ol style="list-style-type: none"> 1. Arikunto, Suharsimi. 2000. <i>Prosedur Penelitian: Suatu Pendekatan Praktis</i>. Jakarta PT Bina Angkasa. 2. Best, John W. 1982. <i>Metodologi Penelitian Pendidikan</i>. Surabaya: Usaha Nasional. 3. Connor, L.R. dan Morrell, A.J.H. 1972. <i>Statistiks in Theory and Practice</i>. Toronto: Fitman Paperbacks. 4. Hadi, Soetrisno. 2004. <i>Statistik: Jilid 3</i>. Yogyakarta: Andi. 5. Hariyadi. 2011. <i>Statistik Pendidikan</i>. Jakarta: Prestasi Pustakaraya. 6. Riduwan. 2003. <i>Dasar-dasar Statistik</i>. Bandung: Alfabeta. 7. Subana, Rahadi, dan Sudrajat. 2000. <i>Statistik Pendidikan</i>. Bandung: Pustaka Setia. 8. Sudijono, Anas. 2011. <i>Pengantar Statistik Pendidikan</i>. Jakarta: PT Raja Grafindo Persada. 9. . Sudjana. 2001. <i>Metoda Statistika</i>. Bandung: Tarsito. 					
	Supporters:						
Supporting lecturer	Vivi Ervina Dewi, S.Pd., M.Pd.						
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 basic statistical concepts and examples of their application in the field	<ol style="list-style-type: none"> 1. Students can master basic statistical concepts 2. Students are able to master examples of applying basic statistics to research 	Criteria: Lectures, questions and answers, demonstrations Form of Assessment : Participatory Activities	Offline		Material: basic concepts of descriptive statistics References: Arikunto, Suharsimi. 2000. <i>Research Procedures: A Practical Approach</i> . Jakarta PT Bina Angkasa.	5%
2	Able to explain the basic concepts of inferential statistics	<ol style="list-style-type: none"> 1. Students are able to master examples of inferential statistics in research 2. Students can master the basic concepts of inferential statistics 	Criteria: Lectures, questions and answers, demonstrations Form of Assessment : Participatory Activities	Offline		Material: basic concepts of inferential statistics References: Arikunto, Suharsimi. 2000. <i>Research Procedures: A Practical Approach</i> . Jakarta PT Bina Angkasa.	5%
3	Able to process data in the form of mean, median, mode with the help of SPSS software	Students are able to process data in the form of mean, median, mode with the help of SPSS software and input data in SPSS software	Criteria: Lectures, questions and answers, demonstrations Form of Assessment : Practice / Performance	Offline		Material: mean, median, mode References: Best, John W. 1982. <i>Educational Research Methodology</i> . Surabaya: National Enterprise.	5%

4	Able to process data in the form of standard deviation and variance with the help of SPSS software	Students are able to process data in the form of standard deviation and variance with the help of SPSS software and input data into SPSS software	Criteria: Lectures, questions and answers, demonstrations Form of Assessment : Practice / Performance	Offline		Material: standard deviation and variance References: <i>Connor, LR and Morrell, AJH 1972. Statistics in Theory and Practice. Toronto: Fitman Paperbacks.</i>	5%
5	Able to process data in the form of skewness with the help of SPSS software	Students are able to process data in the form of skewness with the help of SPSS software and input data into SPSS software	Criteria: Lectures, questions and answers, demonstrations Form of Assessment : Practice / Performance	Offline		Material: skewness References: <i>Hadi, Soetrisno. 2004. Statistics: Volume 3. Yogyakarta: Andi.</i>	5%
6	Able to process data in the form of kurtosis with the help of SPSS software	Students are able to process data in the form of kurtosis with the help of SPSS software and input data into SPSS software	Criteria: Lectures, questions and answers, demonstrations Form of Assessment : Practice / Performance	Offline		Material: kurtosis Reader: <i>Hariyadi. 2011. Education Statistics. Jakarta: Pustakaraya Achievement.</i>	5%
7	Able to process data in the form of minimum, maximum and graphic values with the help of SPSS software	Students are able to process data in the form of minimum, maximum and graphic values with the help of SPSS software and input data into SPSS software	Criteria: Lectures, questions and answers, demonstrations Form of Assessment : Practice / Performance	Offline		Material: minimum, maximum and graphic values Reader: <i>Riduwan. 2003. Basics of Statistics. Bandung: Alfabeta.</i>	5%
8	Sub Summative Exam	Students are able to input data and process mean, median, mode, skewness, kurtosis, minimum value, maximum value and graph data in SPSS software.	Criteria: Lectures, questions and answers, demonstrations Form of Assessment : Practice / Performance	Offline		Material: mean, median, mode, skewness, kurtosis, minimum value, maximum value, and graphs Readers: <i>Subana, Rahadi, and Sudrajat. 2000. Education Statistics. Bandung: Pustaka Setia.</i>	15%
9	Able to apply the Pearson product moment correlation test with the help of SPSS software and input data into SPSS software	Able to apply the Pearson product moment correlation test with the help of SPSS software	Criteria: Lectures, questions and answers, demonstrations Form of Assessment : Practice / Performance	Offline		Material: Pearson product moment correlation References: <i>Subana, Rahadi, and Sudrajat. 2000. Education Statistics. Bandung: Pustaka Setia.</i>	5%

10	Able to apply the spearmen rank correlation test with the help of SPSS software and input data into SPSS software	Able to apply the spearmen rank correlation test with the help of SPSS software	<p>Criteria: Lectures, questions and answers, demonstrations</p> <p>Form of Assessment : Practice / Performance</p>	Offline		<p>Material: spearmen rank correlation Reference: Sudijono, Anas. 2011. <i>Introduction to Education Statistics</i>. Jakarta: PT Raja Grafindo Persada.</p>	5%
11	Able to apply partial correlation tests with the help of SPSS software and input data into SPSS software	Able to apply partial correlation tests with the help of SPSS software	<p>Criteria: Lectures, questions and answers, demonstrations</p> <p>Form of Assessment : Practice / Performance</p>	Offline		<p>Material: partial correlation References: . Sudjana. 2001. <i>Statistical Methods</i>. Bandung: Tarsito.</p>	5%
12	Able to apply simple linear regression tests with the help of SPSS software and input data into SPSS software	Able to apply simple linear regression tests with the help of SPSS software	<p>Criteria: Lectures, questions and answers, demonstrations</p> <p>Form of Assessment : Practice / Performance</p>	Offline		<p>Material: simple linear regression References: Arikunto, Suharsimi. 2000. <i>Research Procedures: A Practical Approach</i>. Jakarta PT Bina Angkasa.</p>	5%
13	Able to apply multiple linear regression tests with the help of SPSS software and input data into SPSS software	Able to apply multiple linear regression tests with the help of SPSS software	<p>Criteria: Lectures, questions and answers, demonstrations</p> <p>Form of Assessment : Practice / Performance</p>	Offline		<p>Material: multiple linear regression References: Best, John W. 1982. <i>Educational Research Methodology</i>. Surabaya: National Enterprise.</p>	5%
14	Able to apply the paired sample t test with the help of SPSS software and input data into SPSS software	Able to apply paired sample t test with the help of SPSS software	<p>Criteria: Lectures, questions and answers, demonstrations</p> <p>Form of Assessment : Practice / Performance</p>	Offline		<p>Material: paired sample t test Reference: Hariyadi. 2011. <i>Education Statistics</i>. Jakarta: Pustakaraya Achievement.</p>	5%
15	Able to apply the independent sample t test with the help of SPSS software and input data into SPSS software	Able to apply the independent sample t test with the help of SPSS software	<p>Criteria: Lectures, questions and answers, demonstrations</p> <p>Form of Assessment : Practice / Performance</p>	Offline		<p>Material: free sample t test References: Sudijono, Anas. 2011. <i>Introduction to Education Statistics</i>. Jakarta: PT Raja Grafindo Persada.</p>	5%

16	Able to apply the Pearson correlation test, Spearman correlation test, partial correlation test, simple linear regression test, multiple linear regression test, paired sample t test, and freely with the help of SPSS software and inputting data in SPSS software	<ol style="list-style-type: none"> 1. Able to apply the independent sample t test with the help of SPSS software 2. Able to apply paired sample t test with the help of SPSS software 3. Able to apply the Pearson correlation test with the help of SPSS software 4. Able to apply the Spearman correlation test with the help of SPSS software 5. Able to apply partial correlation tests with the help of SPSS software 6. Able to apply simple linear regression tests with the help of SPSS software 7. Able to apply multiple linear regression tests with the help of SPSS software 	<p>Criteria: Lectures, questions and answers, demonstrations</p> <p>Form of Assessment : Practice / Performance</p>	Offline		<p>Material: Independent and paired samples t test</p> <p>Reference: <i>Hariyadi. 2011. Education Statistics. Jakarta: Pustakaraya Achievement.</i></p>	15%
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Evaluation Percentage Recap: Case Study

No	Evaluation	Percentage
1.	Participatory Activities	10%
2.	Practice / Performance	90%
		100%

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.