



**Universitas Negeri Surabaya
Faculty of Education
Undergraduate Guidance and Counseling Study Program**

Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight	SEMESTER	Compilation Date																																										
Descriptive statistics	8620102167		T=2 P=0 ECTS=3.18	3	July 17, 2024																																										
AUTHORIZATION	SP Developer		Course Cluster Coordinator		Study Program Coordinator																																										
		Dr. Evi Winingsih, S.Pd., M.Pd.																																										
Learning model	Case Studies																																														
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;"> <tr> <td rowspan="2" style="width: 5%;">P.O</td> <td colspan="16" style="text-align: center;">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
P.O	Week																																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																															
Short Course Description	- This course discusses studying the basic concepts of statistics for quantitative research. - This course is a basic course supporting psychological research and measurement.																																														
References	Main :																																														
	1. Bluman Allan G. 2007. Elementary Statistics seventh edition. Mc Graw Hill 2. Michael Longnecker, 2010. An Introduction Statistical Methods and Data Analysis. Cengage Learning.																																														
	Supporters:																																														
Supporting lecturer	Dr. Eko Darminto, M.Si. Prof. Dr. Mochamad Nursalim, M.Si. Dr. Ari Khusumadewi, 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	Students understand the lecture material and process for 1 semester. Students understand the basic concepts of statistics. Students understand centralized measurements. Students understand quartile measurements. Students understand decile	1. Students understand the lecture material for 1 semester 2. Understand the basic concepts of Statistics 3. Measurement scale 4. understand mean centered	Criteria: 1. Activeness (quantity of participating) 2. Organization of ideas/arguments 3. Accuracy of argument 4. Language Usage: 5. Accuracy 6. Clarity 7. Attitude and intonation during discussion/question	Small Group Discussion (SGD) Contextual Instruction (CI) 2 X 50			0%																																								

measurements.
Students understand percentile measurements.
Students understand average deviation measurements.
Students understand standard deviation and variance measurements.
Students understand standard number measurements.
Students understand data distribution skew measurements.
Students understand distribution slope measurements.
Data

measurement
5.can interpret the results of average calculations
6.understand median centered measurement
7.can interpret the results of median calculations
8.understand centralized measurement mode
9.can interpret the results of mode calculations
10.understand quartile measurements
11.can interpret the results of quartile calculations
12.understand quartile measurements
13.can interpret the results of quartile calculations
14.understand decile measurements
15.can interpret the results of decile calculations
16.understand percentile measurements
17.can interpret the results of percentile calculations
18.understand the measurement of Average Deviation
19.can interpret the results of the Average Deviation calculation
20.understand the measurement of Standard Deviation and Variance
21.can interpret the results of Standard Deviation and Variance calculations
22.understand Standard Number measurements

and be able to interpret the results of Standard Number calculations
23.understand the measurement of Data Distribution Skewness
24.interpret the

and answer (voice-expression, volume and intonation)
8.A. Contents
9.1. Accuracy of concept/material
10.2. Accuracy of supporting examples for the concept/material
11.3. Completeness of material coverage
12.4. Confusion in discussing the material
13.5. Depth in elaborating the material
14.B. Writing
15.6. Correct use of language
16.7. Conformity with the specified systematics
17.8. Neatness of layout

		<p>results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution Spiralness</p>				
2	<p>Students understand the lecture material and process for 1 semester. Students understand the basic concepts of statistics. Students understand centralized measurements. Students understand quartile measurements. Students understand decile measurements. Students understand percentile measurements. Students understand average deviation measurements. Students understand standard deviation and variance measurements. Students understand standard number measurements. Students understand data distribution skew measurements. Students understand distribution slope measurements. Data</p>	<p>1.Students understand the lecture material for 1 semester</p> <p>2.Understand the basic concepts of Statistics</p> <p>3.Measurement scale</p> <p>4.understand mean centered measurement</p> <p>5.can interpret the results of average calculations</p> <p>6.understand median centered measurement</p> <p>7.can interpret the results of median calculations</p> <p>8.understand centralized measurement mode</p> <p>9.can interpret the results of mode calculations</p> <p>10.understand quartile measurements</p> <p>11.can interpret the results of quartile calculations</p> <p>12.understand quartile measurements</p> <p>13.can interpret the results of quartile calculations</p> <p>14.understand decile measurements</p> <p>15.can interpret the results of decile calculations</p> <p>16.understand percentile measurements</p> <p>17.can interpret the results of percentile calculations</p> <p>18.understand the measurement of Average Deviation</p> <p>19.can interpret the results of the Average Deviation calculation</p>	<p>Criteria:</p> <p>1.Activeness (quantity of participating)</p> <p>2.Organization of ideas/arguments</p> <p>3.Accuracy of argument</p> <p>4.Language Usage:</p> <p>5.Accuracy</p> <p>6.Clarity</p> <p>7.Attitude and intonation during discussion/question and answer (voice-expression, volume and intonation)</p> <p>8.A. Contents</p> <p>9.1. Accuracy of concept/material</p> <p>10.2. Accuracy of supporting examples for the concept/material</p> <p>11.3. Completeness of material coverage</p> <p>12.4. Confusion in discussing the material</p> <p>13.5. Depth in elaborating the material</p> <p>14.B. Writing</p> <p>15.6. Correct use of language</p> <p>16.7. Conformity with the specified systematics</p> <p>17.8. Neatness of layout</p>	<p>Small Group Discussion (SGD) Contextual Instruction (CI) 2 X 50</p>		0%

		<p>calculations</p> <p>20.understand the measurement of Standard Deviation and Variance</p> <p>21.can interpret the results of Standard Deviation and Variance calculations</p> <p>22.understand Standard Number measurements and be able to interpret the results of Standard Number calculations</p> <p>23.understand the measurement of Data Distribution Skewness</p> <p>24.interpret the results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution Spiralness</p>				
3	<p>Students understand the lecture material and process for 1 semester. Students understand the basic concepts of statistics. Students understand centralized measurements. Students understand quartile measurements. Students understand decile measurements. Students understand percentile measurements. Students understand average deviation measurements. Students understand standard deviation and variance measurements. Students understand standard number measurements. Students understand data distribution skew measurements. Students understand distribution slope measurements. Data</p>	<p>1.Students understand the lecture material for 1 semester</p> <p>2.Understand the basic concepts of Statistics</p> <p>3.Measurement scale</p> <p>4.understand mean centered measurement</p> <p>5.can interpret the results of average calculations</p> <p>6.understand median centered measurement</p> <p>7.can interpret the results of median calculations</p> <p>8.understand centralized measurement mode</p> <p>9.can interpret the results of mode calculations</p> <p>10.understand quartile measurements</p> <p>11.can interpret the results of quartile calculations</p> <p>12.understand</p>	<p>Criteria:</p> <p>1.Activeness (quantity of participating)</p> <p>2.Organization of ideas/arguments</p> <p>3.Accuracy of argument</p> <p>4.Language Usage:</p> <p>5.Accuracy</p> <p>6.Clarity</p> <p>7.Attitude and intonation during discussion/question and answer (voice-expression, volume and intonation)</p> <p>8.A. Contents</p> <p>9.1. Accuracy of concept/material</p> <p>10.2. Accuracy of supporting examples for the concept/material</p> <p>11.3. Completeness of material coverage</p> <p>12.4. Confusion in discussing the material</p> <p>13.5. Depth in elaborating the material</p> <p>14.B. Writing</p> <p>15.6. Correct use of language</p> <p>16.7. Conformity with the specified systematics</p> <p>17.8. Neatness of layout</p>	<p>Small Group Discussion (SGD) Contextual Instruction (CI) 2 X 50</p>		0%

		<p>quartile measurements</p> <p>13.can interpret the results of quartile calculations</p> <p>14.understand decile measurements</p> <p>15.can interpret the results of decile calculations</p> <p>16.understand percentile measurements</p> <p>17.can interpret the results of percentile calculations</p> <p>18.understand the measurement of Average Deviation</p> <p>19.can interpret the results of the Average Deviation calculation</p> <p>20.understand the measurement of Standard Deviation and Variance</p> <p>21.can interpret the results of Standard Deviation and Variance calculations</p> <p>22.understand Standard Number measurements and be able to interpret the results of Standard Number calculations</p> <p>23.understand the measurement of Data Distribution Skewness</p> <p>24.interpret the results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution Spiralness</p>				
4	<p>Students understand the lecture material and process for 1 semester. Students understand the basic concepts of statistics. Students understand centralized measurements. Students understand quartile measurements. Students</p>	<p>1.Students understand the lecture material for 1 semester</p> <p>2.Understand the basic concepts of Statistics</p> <p>3.Measurement scale</p> <p>4.understand</p>	<p>Criteria:</p> <p>1.Activeness (quantity of participating)</p> <p>2.Organization of ideas/arguments</p> <p>3.Accuracy of argument</p> <p>4.Language Usage:</p> <p>5.Accuracy</p> <p>6.Clarity</p> <p>7.Attitude and intonation during</p>	<p>Small Group Discussion (SGD) Contextual Instruction (CI) 2 X 50</p>		0%

	<p>understand decile measurements. Students understand percentile measurements. Students understand average deviation measurements. Students understand standard deviation and variance measurements. Students understand standard number measurements. Students understand data distribution skew measurements. Students understand distribution slope measurements. Data</p>	<p>mean centered measurement</p> <p>5.can interpret the results of average calculations</p> <p>6.understand median centered measurement</p> <p>7.can interpret the results of median calculations</p> <p>8.understand centralized measurement mode</p> <p>9.can interpret the results of mode calculations</p> <p>10.understand quartile measurements</p> <p>11.can interpret the results of quartile calculations</p> <p>12.understand quartile measurements</p> <p>13.can interpret the results of quartile calculations</p> <p>14.understand decile measurements</p> <p>15.can interpret the results of decile calculations</p> <p>16.understand percentile measurements</p> <p>17.can interpret the results of percentile calculations</p> <p>18.understand the measurement of Average Deviation</p> <p>19.can interpret the results of the Average Deviation calculation</p> <p>20.understand the measurement of Standard Deviation and Variance</p> <p>21.can interpret the results of Standard Deviation and Variance calculations</p> <p>22.understand Standard Number measurements and be able to interpret the results of Standard Number calculations</p> <p>23.understand the measurement of Data Distribution</p>	<p>discussion/question and answer (voice-expression, volume and intonation)</p> <p>8.A. Contents</p> <p>9.1. Accuracy of concept/material</p> <p>10.2. Accuracy of supporting examples for the concept/material</p> <p>11.3. Completeness of material coverage</p> <p>12.4. Confusion in discussing the material</p> <p>13.5. Depth in elaborating the material</p> <p>14.B. Writing</p> <p>15.6. Correct use of language</p> <p>16.7. Conformity with the specified systematics</p> <p>17.8. Neatness of layout</p>				
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		<p>Skewness</p> <p>24.interpret the results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution Spiralness</p>				
5	<p>Students understand the lecture material and process for 1 semester. Students understand the basic concepts of statistics. Students understand centralized measurements. Students understand quartile measurements. Students understand decile measurements. Students understand percentile measurements. Students understand average deviation measurements. Students understand standard deviation and variance measurements. Students understand standard number measurements. Students understand data distribution skew measurements. Students understand distribution slope measurements. Data</p>	<p>1.Students understand the lecture material for 1 semester</p> <p>2.Understand the basic concepts of Statistics</p> <p>3.Measurement scale</p> <p>4.understand mean centered measurement</p> <p>5.can interpret the results of average calculations</p> <p>6.understand median centered measurement</p> <p>7.can interpret the results of median calculations</p> <p>8.understand centralized measurement mode</p> <p>9.can interpret the results of mode calculations</p> <p>10.understand quartile measurements</p> <p>11.can interpret the results of quartile calculations</p> <p>12.understand quartile measurements</p> <p>13.can interpret the results of quartile calculations</p> <p>14.understand decile measurements</p> <p>15.can interpret the results of decile calculations</p> <p>16.understand percentile measurements</p> <p>17.can interpret the results of percentile calculations</p> <p>18.understand the measurement of Average Deviation</p> <p>19.can interpret the results of the Average</p>	<p>Criteria:</p> <p>1.Activeness (quantity of participating)</p> <p>2.Organization of ideas/arguments</p> <p>3.Accuracy of argument</p> <p>4.Language Usage:</p> <p>5.Accuracy</p> <p>6.Clarity</p> <p>7.Attitude and intonation during discussion/question and answer (voice-expression, volume and intonation)</p> <p>8.A. Contents</p> <p>9.1. Accuracy of concept/material</p> <p>10.2. Accuracy of supporting examples for the concept/material</p> <p>11.3. Completeness of material coverage</p> <p>12.4. Confusion in discussing the material</p> <p>13.5. Depth in elaborating the material</p> <p>14.B. Writing</p> <p>15.6. Correct use of language</p> <p>16.7. Conformity with the specified systematics</p> <p>17.8. Neatness of layout</p>	<p>Small Group Discussion (SGD) Contextual Instruction (CI) 2 X 50</p>		0%

		<p>Deviation calculation</p> <p>20.understand the measurement of Standard Deviation and Variance</p> <p>21.can interpret the results of Standard Deviation and Variance calculations</p> <p>22.understand Standard Number measurements and be able to interpret the results of Standard Number calculations</p> <p>23.understand the measurement of Data Distribution Skewness</p> <p>24.interpret the results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution Spiralness</p>				
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		<p>12.understand quartile measurements</p> <p>13.can interpret the results of quartile calculations</p> <p>14.understand decile measurements</p> <p>15.can interpret the results of decile calculations</p> <p>16.understand percentile measurements</p> <p>17.can interpret the results of percentile calculations</p> <p>18.understand the measurement of Average Deviation</p> <p>19.can interpret the results of the Average Deviation calculation</p> <p>20.understand the measurement of Standard Deviation and Variance</p> <p>21.can interpret the results of Standard Deviation and Variance calculations</p> <p>22.understand Standard Number measurements and be able to interpret the results of Standard Number calculations</p> <p>23.understand the measurement of Data Distribution Skewness</p> <p>24.interpret the results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution Spiralness</p>				
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	<p>measurements. Students understand decile measurements. Students understand percentile measurements. Students understand average deviation measurements. Students understand standard deviation and variance measurements. Students understand standard number measurements. Students understand data distribution skew measurements. Students understand distribution slope measurements. Data</p>	<p>4.understand mean centered measurement 5.can interpret the results of average calculations 6.understand median centered measurement 7.can interpret the results of median calculations 8.understand centralized measurement mode 9.can interpret the results of mode calculations 10.understand quartile measurements 11.can interpret the results of quartile calculations 12.understand quartile measurements 13.can interpret the results of quartile calculations 14.understand decile measurements 15.can interpret the results of decile calculations 16.understand percentile measurements 17.can interpret the results of percentile calculations 18.understand the measurement of Average Deviation 19.can interpret the results of the Average Deviation calculation 20.understand the measurement of Standard Deviation and Variance 21.can interpret the results of Standard Deviation and Variance calculations 22.understand Standard Number measurements and be able to interpret the results of Standard Number calculations 23.understand the measurement of Data</p>	<p>intonation during discussion/question and answer (voice-expression, volume and intonation) 8.A. Contents 9.1. Accuracy of concept/material 10.2. Accuracy of supporting examples for the concept/material 11.3. Completeness of material coverage 12.4. Confusion in discussing the material 13.5. Depth in elaborating the material 14.B. Writing 15.6. Correct use of language 16.7. Conformity with the specified systematics 17.8. Neatness of layout</p>				
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		<p>of Data Distribution Skewness</p> <p>24.interpret the results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution Spiralness</p>				
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		<p>the Average Deviation calculation</p> <p>20.understand the measurement of Standard Deviation and Variance</p> <p>21.can interpret the results of Standard Deviation and Variance calculations</p> <p>22.understand Standard Number measurements and be able to interpret the results of Standard Number calculations</p> <p>23.understand the measurement of Data Distribution Skewness</p> <p>24.interpret the results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution Spiralness</p>				
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		<p>quartile calculations</p> <p>12.understand quartile measurements</p> <p>13.can interpret the results of quartile calculations</p> <p>14.understand decile measurements</p> <p>15.can interpret the results of decile calculations</p> <p>16.understand percentile measurements</p> <p>17.can interpret the results of percentile calculations</p> <p>18.understand the measurement of Average Deviation</p> <p>19.can interpret the results of the Average Deviation calculation</p> <p>20.understand the measurement of Standard Deviation and Variance</p> <p>21.can interpret the results of Standard Deviation and Variance calculations</p> <p>22.understand Standard Number measurements and be able to interpret the results of Standard Number calculations</p> <p>23.understand the measurement of Data Distribution Skewness</p> <p>24.interpret the results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution Spiralness</p>				
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	<p>measurements. Students understand quartile measurements. Students understand decile measurements. Students understand percentile measurements. Students understand average deviation measurements. Students understand standard deviation and variance measurements. Students understand standard number measurements. Students understand data distribution skew measurements. Students understand distribution slope measurements. Data</p>	<p>Statistics 3.Measurement scale 4.understand mean centered measurement 5.can interpret the results of average calculations 6.understand median centered measurement 7.can interpret the results of median calculations 8.understand centralized measurement mode 9.can interpret the results of mode calculations 10.understand quartile measurements 11.can interpret the results of quartile calculations 12.understand quartile measurements 13.can interpret the results of quartile calculations 14.understand decile measurements 15.can interpret the results of decile calculations 16.understand percentile measurements 17.can interpret the results of percentile calculations 18.understand the measurement of Average Deviation 19.can interpret the results of the Average Deviation calculation 20.understand the measurement of Standard Deviation and Variance 21.can interpret the results of Standard Deviation and Variance calculations 22.understand Standard Number measurements and be able to interpret the results of Standard Number calculations 23.understand the</p>	<p>5.Accuracy 6.Clarity 7.Attitude and intonation during discussion/question and answer (voice-expression, volume and intonation) 8.A. Contents 9.1. Accuracy of concept/material 10.2. Accuracy of supporting examples for the concept/material 11.3. Completeness of material coverage 12.4. Confusion in discussing the material 13.5. Depth in elaborating the material 14.B. Writing 15.6. Correct use of language 16.7. Conformity with the specified systematics 17.8. Neatness of layout</p>				
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		<p>measurement of Data Distribution Skewness</p> <p>24.interpret the results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution Spiralness</p>				
11	<p>Students understand the lecture material and process for 1 semester. Students understand the basic concepts of statistics. Students understand centralized measurements. Students understand quartile measurements. Students understand decile measurements. Students understand percentile measurements. Students understand average deviation measurements. Students understand standard deviation and variance measurements. Students understand standard number measurements. Students understand data distribution skew measurements. Students understand distribution slope measurements. Data</p>	<p>1.Students understand the lecture material for 1 semester</p> <p>2.Understand the basic concepts of Statistics</p> <p>3.Measurement scale</p> <p>4.understand mean centered measurement</p> <p>5.can interpret the results of average calculations</p> <p>6.understand median centered measurement</p> <p>7.can interpret the results of median calculations</p> <p>8.understand centralized measurement mode</p> <p>9.can interpret the results of mode calculations</p> <p>10.understand quartile measurements</p> <p>11.can interpret the results of quartile calculations</p> <p>12.understand quartile measurements</p> <p>13.can interpret the results of quartile calculations</p> <p>14.understand decile measurements</p> <p>15.can interpret the results of decile calculations</p> <p>16.understand percentile measurements</p> <p>17.can interpret the results of percentile calculations</p> <p>18.understand the measurement</p>	<p>Criteria:</p> <p>1.Activeness (quantity of participating)</p> <p>2.Organization of ideas/arguments</p> <p>3.Accuracy of argument</p> <p>4.Language Usage:</p> <p>5.Accuracy</p> <p>6.Clarity</p> <p>7.Attitude and intonation during discussion/question and answer (voice-expression, volume and intonation)</p> <p>8.A. Contents</p> <p>9.1. Accuracy of concept/material</p> <p>10.2. Accuracy of supporting examples for the concept/material</p> <p>11.3. Completeness of material coverage</p> <p>12.4. Confusion in discussing the material</p> <p>13.5. Depth in elaborating the material</p> <p>14.B. Writing</p> <p>15.6. Correct use of language</p> <p>16.7. Conformity with the specified systematics</p> <p>17.8. Neatness of layout</p>	<p>Small Group Discussion (SGD) Contextual Instruction (CI) 2 X 50</p>		0%

		<p>measurement of Average Deviation</p> <p>19.can interpret the results of the Average Deviation calculation</p> <p>20.understand the measurement of Standard Deviation and Variance</p> <p>21.can interpret the results of Standard Deviation and Variance calculations</p> <p>22.understand Standard Number measurements and be able to interpret the results of Standard Number calculations</p> <p>23.understand the measurement of Data Distribution Skewness</p> <p>24.interpret the results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution Spiralness</p>				
12	<p>Students understand the lecture material and process for 1 semester. Students understand the basic concepts of statistics. Students understand centralized measurements. Students understand quartile measurements. Students understand decile measurements. Students understand percentile measurements. Students understand average deviation measurements. Students understand standard deviation and variance measurements. Students understand standard deviation and variance measurements. Students understand standard number measurements. Students understand data distribution skew measurements. Students understand distribution slope measurements. Data</p>	<p>1.Students understand the lecture material for 1 semester</p> <p>2.Understand the basic concepts of Statistics</p> <p>3.Measurement scale</p> <p>4.understand mean centered measurement</p> <p>5.can interpret the results of average calculations</p> <p>6.understand median centered measurement</p> <p>7.can interpret the results of median calculations</p> <p>8.understand centralized measurement mode</p> <p>9.can interpret the results of mode calculations</p> <p>10.understand</p>	<p>Criteria:</p> <p>1.Activeness (quantity of participating)</p> <p>2.Organization of ideas/arguments</p> <p>3.Accuracy of argument</p> <p>4.Language Usage:</p> <p>5.Accuracy</p> <p>6.Clarity</p> <p>7.Attitude and intonation during discussion/question and answer (voice-expression, volume and intonation)</p> <p>8.A. Contents</p> <p>9.1. Accuracy of concept/material</p> <p>10.2. Accuracy of supporting examples for the concept/material</p> <p>11.3. Completeness of material coverage</p> <p>12.4. Confusion in discussing the material</p> <p>13.5. Depth in elaborating the material</p> <p>14.B. Writing</p> <p>15.6. Correct use of language</p> <p>16.7. Conformity with</p>	<p>Small Group Discussion (SGD) Contextual Instruction (CI) 2 X 50</p>		0%

		<p>quartile measurements</p> <p>11.can interpret the results of quartile calculations</p> <p>12.understand quartile measurements</p> <p>13.can interpret the results of quartile calculations</p> <p>14.understand decile measurements</p> <p>15.can interpret the results of decile calculations</p> <p>16.understand percentile measurements</p> <p>17.can interpret the results of percentile calculations</p> <p>18.understand the measurement of Average Deviation</p> <p>19.can interpret the results of the Average Deviation calculation</p> <p>20.understand the measurement of Standard Deviation and Variance</p> <p>21.can interpret the results of Standard Deviation and Variance calculations</p> <p>22.understand Standard Number measurements and be able to interpret the results of Standard</p> <p>Number calculations</p> <p>23.understand the measurement of Data Distribution Skewness</p> <p>24.interpret the results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution Spiralness</p>	<p>the specified systematics</p> <p>17.8. Neatness of layout</p>			
13	Students understand the lecture material and process for 1 semester. Students understand the	1.Students understand the lecture material for 1 semester	<p>Criteria:</p> <p>1.Activeness (quantity of participating)</p> <p>2.Organization of ideas/arguments</p>	Small Group Discussion (SGD) Contextual		0%

	<p>basic concepts of statistics. Students understand centralized measurements. Students understand quartile measurements. Students understand decile measurements. Students understand percentile measurements. Students understand average deviation measurements. Students understand standard deviation and variance measurements. Students understand standard number measurements. Students understand data distribution skew measurements. Students understand distribution slope measurements. Data</p>	<p>2.Understand the basic concepts of Statistics 3.Measurement scale 4.understand mean centered measurement 5.can interpret the results of average calculations 6.understand median centered measurement 7.can interpret the results of median calculations 8.understand centralized measurement mode 9.can interpret the results of mode calculations 10.understand quartile measurements 11.can interpret the results of quartile calculations 12.understand quartile measurements 13.can interpret the results of quartile calculations 14.understand decile measurements 15.can interpret the results of decile calculations 16.understand percentile measurements 17.can interpret the results of percentile calculations 18.understand the measurement of Average Deviation 19.can interpret the results of the Average Deviation calculation 20.understand the measurement of Standard Deviation and Variance 21.can interpret the results of Standard Deviation and Variance calculations 22.understand Standard Number measurements and be able to interpret the results of Standard</p>	<p>3.Accuracy of argument 4.Language Usage: 5.Accuracy 6.Clarity 7.Attitude and intonation during discussion/question and answer (voice-expression, volume and intonation) 8.A. Contents 9.1. Accuracy of concept/material 10.2. Accuracy of supporting examples for the concept/material 11.3. Completeness of material coverage 12.4. Confusion in discussing the material 13.5. Depth in elaborating the material 14.B. Writing 15.6. Correct use of language 16.7. Conformity with the specified systematics 17.8. Neatness of layout</p>	<p>Instruction (CI) 2 X 50</p>		
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		<p>Number calculations</p> <p>23.understand the measurement of Data Distribution Skewness</p> <p>24.interpret the results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution Spiralness</p>				
14	<p>Students understand the lecture material and process for 1 semester. Students understand the basic concepts of statistics. Students understand centralized measurements. Students understand quartile measurements. Students understand decile measurements. Students understand percentile measurements. Students understand average deviation measurements. Students understand standard deviation and variance measurements. Students understand standard number measurements. Students understand data distribution skew measurements. Students understand distribution slope measurements. Data</p>	<p>1.Students understand the lecture material for 1 semester</p> <p>2.Understand the basic concepts of Statistics</p> <p>3.Measurement scale</p> <p>4.understand mean centered measurement</p> <p>5.can interpret the results of average calculations</p> <p>6.understand median</p> <p>centered measurement</p> <p>7.can interpret the results of median calculations</p> <p>8.understand centralized measurement mode</p> <p>9.can interpret the results of mode calculations</p> <p>10.understand quartile measurements</p> <p>11.can interpret the results of quartile calculations</p> <p>12.understand quartile measurements</p> <p>13.can interpret the results of quartile calculations</p> <p>14.understand decile measurements</p> <p>15.can interpret the results of decile calculations</p> <p>16.understand percentile measurements</p> <p>17.can interpret the results of percentile calculations</p> <p>18.understand</p>	<p>Criteria:</p> <p>1.Activeness (quantity of participating)</p> <p>2.Organization of ideas/arguments</p> <p>3.Accuracy of argument</p> <p>4.Language Usage:</p> <p>5.Accuracy</p> <p>6.Clarity</p> <p>7.Attitude and intonation during discussion/question and answer (voice-expression, volume and intonation)</p> <p>8.A. Contents</p> <p>9.1. Accuracy of concept/material</p> <p>10.2. Accuracy of supporting</p> <p>examples for the concept/material</p> <p>11.3. Completeness of material coverage</p> <p>12.4. Confusion in discussing the material</p> <p>13.5. Depth in elaborating the material</p> <p>14.B. Writing</p> <p>15.6. Correct use of language</p> <p>16.7. Conformity with the specified systematics</p> <p>17.8. Neatness of layout</p>	<p>Small Group Discussion (SGD) Contextual Instruction (CI) 2 X 50</p>		0%

		<p>the measurement of Average Deviation</p> <p>19.can interpret the results of the Average Deviation calculation</p> <p>20.understand the measurement of Standard Deviation and Variance</p> <p>21.can interpret the results of Standard Deviation and Variance calculations</p> <p>22.understand Standard Number measurements and be able to interpret the results of Standard Number calculations</p> <p>23.understand the measurement of Data Distribution Skewness</p> <p>24.interpret the results of data distribution slope calculations</p> <p>25.understand the measurement of Data Distribution Spiralness</p> <p>26.interpret the calculation results of Data Distribution</p>				
15	<p>Students understand the lecture material and process for 1 semester. Students understand the basic concepts of statistics. Students understand centralized measurements. Students understand quartile measurements. Students understand decile measurements. Students understand percentile measurements. Students understand average deviation measurements. Students understand standard deviation and variance measurements. Students understand standard number measurements. Students understand data distribution skew measurements. Students understand distribution slope measurements. Data</p>	<p>1. Students understand the lecture material for 1 semester</p> <p>2. Understand the basic concepts of Statistics</p> <p>3. Measurement scale</p> <p>4. understand mean centered measurement</p> <p>5. can interpret the results of average calculations</p> <p>6. understand median centered measurement</p> <p>7. can interpret the results of median calculations</p> <p>8. understand centralized measurement mode</p> <p>9. can interpret the results of mode calculations</p> <p>10. understand</p>	<p>Criteria:</p> <p>1. Activeness (quantity of participating)</p> <p>2. Organization of ideas/arguments</p> <p>3. Accuracy of argument</p> <p>4. Language Usage:</p> <p>5. Accuracy</p> <p>6. Clarity</p> <p>7. Attitude and intonation during discussion/question and answer (voice-expression, volume and intonation)</p> <p>8. A. Contents</p> <p>9.1. Accuracy of concept/material</p> <p>10.2. Accuracy of supporting examples for the concept/material</p> <p>11.3. Completeness of material coverage</p> <p>12.4. Confusion in discussing the material</p> <p>13.5. Depth in elaborating the material</p> <p>14. B. Writing</p> <p>15.6. Correct use of language</p> <p>16.7. Conformity with the specified</p>	<p>Small Group Discussion (SGD) Contextual Instruction (CI) 2 X 50</p>		0%

		quartile measurements 11.can interpret the results of quartile calculations 12.understand quartile measurements 13.can interpret the results of quartile calculations 14.understand decile measurements 15.can interpret the results of decile calculations 16.understand percentile measurements 17.can interpret the results of percentile calculations 18.understand the measurement of Average Deviation 19.can interpret the results of the Average Deviation calculation 20.understand the measurement of Standard Deviation and Variance 21.can interpret the results of Standard Deviation and Variance calculations 22.understand Standard Number measurements and be able to interpret the results of Standard Number calculations 23.understand the measurement of Data Distribution Skewness 24.interpret the results of data distribution slope calculations 25.understand the measurement of Data Distribution Spiralness 26.interpret the calculation results of Data Distribution Spiralness	the specimen systematics 17.8. Neatness of layout				
16							0%

Evaluation Percentage Recap: Case Study

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.