

		<b>Universitas Negeri Surabaya</b> <b>Faculty of Economics and Business</b> <b>Bachelor of Economics Study Program</b>					<b>Document Code</b>																																																			
<b>SEMESTER LEARNING PLAN</b>																																																										
<b>Courses</b>		<b>CODE</b>	<b>Course Family</b>	<b>Credit Weight</b>			<b>SEMESTER</b>	<b>Compilation Date</b>																																																		
Economic Statistics		8722003068		T=3	P=0	ECTS=4.77	2	July 18, 2024																																																		
<b>AUTHORIZATION</b>		<b>SP Developer</b>		<b>Course Cluster Coordinator</b>			<b>Study Program Coordinator</b>																																																			
		.....		.....			Dr. Tony Seno Aji, S.E., M.E.																																																			
<b>Learning model</b>	Project Based Learning																																																									
<b>Program Learning Outcomes (PLO)</b>	PLO study program that is charged to the course																																																									
	Program Objectives (PO)																																																									
	PLO-PO Matrix																																																									
		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="width: 100px; height: 30px;">P.O</td> <td colspan="16"></td> </tr> </table>							P.O																																																	
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	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="17" style="text-align: center;">PO Matrix at the end of each learning stage (Sub-PO)</td> </tr> <tr> <td rowspan="2" style="width: 100px; height: 30px;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td style="width: 20px;">1</td> <td style="width: 20px;">2</td> <td style="width: 20px;">3</td> <td style="width: 20px;">4</td> <td style="width: 20px;">5</td> <td style="width: 20px;">6</td> <td style="width: 20px;">7</td> <td style="width: 20px;">8</td> <td style="width: 20px;">9</td> <td style="width: 20px;">10</td> <td style="width: 20px;">11</td> <td style="width: 20px;">12</td> <td style="width: 20px;">13</td> <td style="width: 20px;">14</td> <td style="width: 20px;">15</td> <td style="width: 20px;">16</td> </tr> </table>								PO Matrix at the end of each learning stage (Sub-PO)																	P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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<b>Short Course Description</b>	This course discusses the meaning of descriptive statistics; Data and the process of collecting it; Central symptom measurement; measurement of location symptoms; dispersion measurements; The degree of slope and degree of sharpness of the curve; Presentation of data in tabular and graphical form; Values Summaries of numeric data Present categorical data in graphs and tables; index number; trend analysis. Lectures are carried out using a collaborative approach (lectures, discussions and individual and group assignments).																																																									
<b>References</b>	<b>Main :</b>																																																									
	1. Boedijoewono, Noegroho. 2014. <i>Pengantar Statistika Ekonomi dan Bisnis 1: Deskriptif</i> . UPP STIM YKPN 2. Lind, Douglas A. Marchal, William G. and Wathen, Samuel A. 2016. <i>Statistical Techniques in Business and Economics</i> , 16th Edition. McGraw-Hill Education 3. Subagyo, Pangestu. 2012. <i>Statistika Deskriptif</i> . Yogyakarta:BPFE. 4. Supranto, J. 2009. <i>Statistik : Teori dan Aplikasi. Jilid 1 (cetakan 7)</i> . Jakarta : Erlangga 5. Suharyadi & Purwanto, SK. 2015. <i>Statistika untuk Ekonomi &amp; Keuangan Modern (ed 3). Jilid 1</i> . Jakarta: Salemba Empat																																																									
	<b>Supporters:</b>																																																									
<b>Supporting lecturer</b>	Dr. Lucky Rachmawati, S.E., M.Si. Choirul Nikmah, S.AB., M.AB. Rachma Indrarini, S.El., M.SEI. Ladi Wajuba Perdini Fisabilillah, S.Pd., M.SE.																																																									
<b>Week-</b>	<b>Final abilities of each learning stage (Sub-PO)</b>	<b>Evaluation</b>		<b>Help Learning, Learning methods, Student Assignments, [ Estimated time]</b>			<b>Learning materials [References]</b>	<b>Assessment Weight (%)</b>																																																		
		<b>Indicator</b>	<b>Criteria &amp; Form</b>	<b>Offline ( offline )</b>	<b>Online ( online )</b>																																																					

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Formulate the meaning and function of statistics	1.1 Able to understand the meaning of statistics 1.2. Able to understand types of statistics 1.3. Able to understand types of data in statistics		Reading literature and listening to explanations and peer discussions 3 X 50			0%
2	Compile data frequency distribution tables and two-way tables	2.1. Able to compile a frequency distribution table 2.2. Able to create two-way tables		Reading literature, listening to explanations, working on questions and peer discussions 3 X 50			0%
3	Describe various kinds of diagrams	3.1. Able to describe diagrams: histogram, bargraph, piechart, polygon, ogive, pictogram		Reading literature, listening to explanations, working on questions and peer discussions 3 X 50			0%
4	Analyze measures of central tendency of data	4.1. Able to calculate and analyze mean, median, mode for grouped data 5.1. Able to calculate and analyze mean, median, mode for ungrouped data		Reading literature, listening to explanations, working on questions and peer discussions 3 X 50			0%
5	Analyze measures of central tendency of data	4.1. Able to calculate and analyze mean, median, mode for grouped data 5.1. Able to calculate and analyze mean, median, mode for ungrouped data		Reading literature, listening to explanations, working on questions and peer discussions 3 X 50			0%
6	Analyze measures of data dispersion	6.1. Able to calculate: Percentile, Decile, Quartile, Range, Quartile Range, Semi-quartile Range 7.1. Able to calculate and analyze Z score, Standard error, Qualitative Variation Index, Standard deviation and Variance		Reading literature, listening to explanations, working on questions and peer discussions 3 X 50			0%

7	Analyze measures of data dispersion	6.1. Able to calculate: Percentile, Decile, Quartile, Range, Quartile Range, Semi-quartile Range 7.1. Able to calculate and analyze Z score, Standard error, Qualitative Variation Index, Standard deviation and Variance		Reading literature, listening to explanations, working on questions and peer discussions 3 X 50			0%
8	UTS	UTS		UTS 3 X 50			0%
9	Analyzing the shape of a normal curve (Abdul Rozak)	9.1 Able to calculate measurements: Curvature, Kurtosis, Normal curve area		Reading literature, listening to explanations, working on questions and peer discussions 3 X 50			0%
10	Analyzing parameter estimates	10.1. Able to calculate and analyze normal distribution probabilities 11. 1. Able to calculate estimates of average and variance parameters for a population 12.1. Able to calculate estimates of average and variance parameters for two populations		Reading literature, listening to explanations, working on questions and peer discussions 3 X 50			0%
11	Analyzing parameter estimates	10.1. Able to calculate and analyze normal distribution probabilities 11. 1. Able to calculate estimates of average and variance parameters for a population 12.1. Able to calculate estimates of average and variance parameters for two populations		Reading literature, listening to explanations, working on questions and peer discussions 3 X 50			0%
12	Analyzing parameter estimates	10.1. Able to calculate and analyze normal distribution probabilities 11. 1. Able to calculate estimates of average and variance parameters for a population 12.1. Able to calculate estimates of average and variance parameters for two populations		Reading literature, listening to explanations, working on questions and peer discussions 3 X 50			0%

13	Analyzing various types of index numbers (Abdul Rozak, J. Supranto, Pangestu)	13.1. Able to calculate single index, aggregate index, average index, weighted average index		Reading literature, listening to explanations, working on questions and peer discussions 3 X 50			0%
14	Analyzing time series / trends (Pangestu, J. Supramto,)	14.1. Able to compile and analyze linear trend equations 15. 1. Able to compile and analyze non-linear trend equations 16.1. Able to compile and analyze seasonal trends		Reading literature, listening to explanations, working on questions and peer discussions 3 X 50			0%
15	Analyzing time series / trends (Pangestu, J. Supramto,)	14.1. Able to compile and analyze linear trend equations 15. 1. Able to compile and analyze non-linear trend equations 16.1. Able to compile and analyze seasonal trends		Reading literature, listening to explanations, working on questions and peer discussions 3 X 50			0%
16	UAS	UAS		3 X 50			0%

#### Evaluation Percentage Recap: Project Based Learning

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.

