	Universitas Negeri Surabaya Faculty of Economics and Business, Bachelor of Science in Office Administration Education Study Program	Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Research Statistics 1	8721003084		T=3	P=0	ECTS=4.77	4	July 18, 2024

AUTHORIZATION	SP Developer	Course Cluster Coordinator	Study Program Coordinator
	.....	.....	Brillian Rosy, S.Pd., M.Pd.

Learning model	**Case Studies**
Program Learning Outcomes (PLO)	**PLO study program which is charged to the course**
	Program Objectives (PO)
	PLO-PO Matrix

	P.O

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

Short Course Description	This course discusses descriptive statistics, which relate to how to organize data, process data, present data, sample and analyze simple relationships (correlation and regression). Lectures are carried out using a collaborative approach (lectures, discussions and individual and group assignments).
References	**Main :**

1.

1. Boedijoewono, Noegroho. 2014. *Pengantar Statistika Ekonomi dan Bisnis 1: Deskriptif* . UPP STIM YKPN

2. Lind, Douglas A. Marchal, William G. and Wathen, Samuel A. 2016. Statistical Techniques in Business and Economics, 16th Edition. McGraw-Hill Education

3. Subagyo, Pangestu. 2012. *Statistika Deskriptif* . Yogyakarta:BPFE.

4. Supranto, J. 2009. *Statistik : Teori dan Aplikasi. Jilid 1 (cetakan 7*). Jakarta : Erlangga

5. Suharyadi & Purwanto, SK. 2015. *Statistika untuk Ekonomi & Keuangan Modern (ed 3) . Jilid 1* .Jakarta: Salemba Empat

Supporters:	
Supporting lecturer	Choirul Nikmah, S.AB., M.AB. Jaka Nugraha, S.AB., M.AB, MBA.

Week-	Final abilities of each	Evaluation	Help Learning, Learning methods, Student Assignments, [Estimated time]	Learning materials [References	Assessment Weight (%)

	learning stage (Sub-PO)	Indicator	Criteria & Form	Offline (*offline*)	Online (*online*)	]	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Formulate the meaning and function of statistics	1.1 Able to explain the meaning of statistics 1.2. Able to explain types of statistics 1.3. Able to explain types of data in statistics	**Criteria:** 1. The assessment is carried out on the following aspects: 2. 1. Participation during lectures must take at least 75% of the lectures (weight 2) 3. 2. UTS, carried out once every mid-semester and given a weight of 2. 4. 3. The assignment assessment is given a weight of 3 5. 4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 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 compile two-way tables	**Criteria:** 1. The assessment is carried out on the following aspects: 2. 1. Participation during lectures must take at least 75% of the lectures (weight 2) 3. 2. UTS, carried out once every mid-semester and given a weight of 2. 4. 3. The assignment assessment is given a weight of 3 5. 4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 3 X 50			0%

3	Describe various kinds of diagrams	3.1. Able to describe diagrams: histogram, bargraph, piechart, polygon, ogive, pictogram	**Criteria:** 1. The assessment is carried out on the following aspects: 2. 1. Participation during lectures must take at least 75% of the lectures (weight 2) 3. 2. UTS, carried out once every mid-semester and given a weight of 2. 4. 3. The assignment assessment is given a weight of 3 5. 4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 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	**Criteria:** 1. The assessment is carried out on the following aspects: 2. 1. Participation during lectures must take at least 75% of the lectures (weight 2) 3. 2. UTS, carried out once every mid-semester and given a weight of 2. 4. 3. The assignment assessment is given a weight of 3 5. 4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 6 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	**Criteria:** 1.The assessment is carried out on the following aspects: 2.1. Participation during lectures must take at least 75% of the lectures (weight 2) 3.2. UTS, carried out once every mid-semester and given a weight of 2. 4.3. The assignment assessment is given a weight of 3 5.4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 6 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	**Criteria:** 1.The assessment is carried out on the following aspects: 2.1. Participation during lectures must take at least 75% of the lectures (weight 2) 3.2. UTS, carried out once every mid-semester and given a weight of 2. 4.3. The assignment assessment is given a weight of 3 5.4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 6 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	**Criteria:** 1. The assessment is carried out on the following aspects: 2. 1. Participation during lectures must take at least 75% of the lectures (weight 2) 3. 2. UTS, carried out once every mid-semester and given a weight of 2. 4. 3. The assignment assessment is given a weight of 3 5. 4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 6 X 50			0%
8	UTS			3 X 50			0%
9	Analyze the shape of the normal curve	Analyze the shape of the normal curve	**Criteria:** 1. The assessment is carried out on the following aspects: 2. 1. Participation during lectures must take at least 75% of the lectures (weight 2) 3. 2. UTS, carried out once every mid-semester and given a weight of 2. 4. 3. The assignment assessment is given a weight of 3 5. 4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 3 X 50			0%

10	Analyzing parameter estimates	10.1. Able to calculate and analyze normal distribution opportunities11. 1. Able to calculate estimates of the average and variance parameters for a population 12.1. Able to calculate estimates of average and variance parameters for two populations	**Criteria:** 1. The assessment is carried out on the following aspects: 2. 1. Participation during lectures must take at least 75% of the lectures (weight 2) 3. 2. UTS, carried out once every mid-semester and given a weight of 2. 4. 3. The assignment assessment is given a weight of 3 5. 4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 9 X 50			0%
11	Analyzing parameter estimates	10.1. Able to calculate and analyze normal distribution opportunities11. 1. Able to calculate estimates of the average and variance parameters for a population 12.1. Able to calculate estimates of average and variance parameters for two populations	**Criteria:** 1. The assessment is carried out on the following aspects: 2. 1. Participation during lectures must take at least 75% of the lectures (weight 2) 3. 2. UTS, carried out once every mid-semester and given a weight of 2. 4. 3. The assignment assessment is given a weight of 3 5. 4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 9 X 50			0%

12	Analyzing parameter estimates	10.1. Able to calculate and analyze normal distribution opportunities11. 1. Able to calculate estimates of the average and variance parameters for a population 12.1. Able to calculate estimates of average and variance parameters for two populations	**Criteria:** 1. The assessment is carried out on the following aspects: 2. 1. Participation during lectures must take at least 75% of the lectures (weight 2) 3. 2. UTS, carried out once every mid-semester and given a weight of 2. 4. 3. The assignment assessment is given a weight of 3 5. 4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 9 X 50			0%
13	Analyze different types of index numbers	13.1. Able to calculate single index, aggregate index, average index, weighted average index	**Criteria:** 1. The assessment is carried out on the following aspects: 2. 1. Participation during lectures must take at least 75% of the lectures (weight 2) 3. 2. UTS, carried out once every mid-semester and given a weight of 2. 4. 3. The assignment assessment is given a weight of 3 5. 4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 3 X 50			0%

14	Analyzing time series / trends	14.1. Able to compile and analyze linear trend equations15. 1. Able to compile and analyze non-linear trend equations 15.2. Able to compile and analyze seasonal trends	**Criteria:** 1. The assessment is carried out on the following aspects: 2. 1. Participation during lectures must take at least 75% of the lectures (weight 2) 3. 2. UTS, carried out once every mid-semester and given a weight of 2. 4. 3. The assignment assessment is given a weight of 3 5. 4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 6 X 50			0%
15	Analyzing time series / trends	14.1. Able to compile and analyze linear trend equations15. 1. Able to compile and analyze non-linear trend equations 15.2. Able to compile and analyze seasonal trends	**Criteria:** 1. The assessment is carried out on the following aspects: 2. 1. Participation during lectures must take at least 75% of the lectures (weight 2) 3. 2. UTS, carried out once every mid-semester and given a weight of 2. 4. 3. The assignment assessment is given a weight of 3 5. 4. The final exam score is given a weight of 3. The final NA is (participation score") (assignment score%2 3) (UTS score%2 2) UAS score (3) divided by 10	Lectures, demonstrations and questions and answers 6 X 50			0%
16	UAS			3 X 50			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.