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

SEMESTER LEARNING PLAN

Courses		CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Research Statistics 2		8721003085		**T=3**	**P=0**	**ECTS=4.77**	5	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	The material for this research II statistics course discusses inferential (inductive) statistics, which is related to Opportunity Theory, Opportunity Distribution, Statistical Estimation, Hypothesis Testing, Chi Square Distribution, F Distribution, Multiple Relationship Analysis (Correlation and Regression), Path Analysis, Diagrams Paths and Structural Equations in Nonparametric Statistics. Lectures are carried out using a system of discussions, project assignments and reflection.

References	**Main :**	

1. David M. Levine, et al2012, Basic Business Statistics: Concepts and Application, New Jersey: PearsonEducation Inc.
2. Lind, Marchal and Wathen.2007. Teknik-Teknik Statistika dalam Bisnis dan Ekonomi. McGraw Hill. Dicetakulang oleh Salemba Empat
3. Suharyadi dan Purwanto,2004, Statistika: untuk Ekonomi dan Keuangan Modern, Salemba Empat.
4. Frederick J. Gravetterdan Larry B. Wallnau, 2014, Pengantar Statistika Sosial, Cengage Learning(diterbitkan kembali oleh Salemba Empat), Jakarta
5. Sugiono, 2010, Statistikuntuk Penelitian, Bandung, Alfabeta.
6. Sofyan Yamin dan HeriKurniawan, 2009, SPSS Complete: Teknik Analisis Statistik Terlengkap denganSoftware SPSS, Jakarta
7. Samsubar Saleh, 2004,Statistik Deskriptif, UPP AMP YKPN, Yogyakarta
8. Algifari, 2003,Statistika Induktif untuk Ekonomi dan Bisnis, UPP AMP YKPN, Yogyakarta

Supporters:	

Supporting lecturer	Lifa Farida Panduwinata, S.Pd., M.Pd. Choirul Nikmah, S.AB., M.AB. Jaka Nugraha, S.AB., M.AB, MBA.

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	Understand the meaning of statistical inference and hypothesis	Able to understand inferential statistics. Able to understand the meaning of hypothesis and carry out hypothesis testing	**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 NA assessment is given a weight of 3. The final NA is (participation value x2) (assignment value x 3) (UTS value x 2) UAS value (3) divided by 10	Lectures, discussions and questions and answers 3 X 50			0%
2	Analyze the data with the chi square test	Able to test the relationship between two nominal/ordinal variables using chi square. Able to test normality using chi square	**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 NA assessment is given a weight of 3. The final NA is (participation value x2) (assignment value x 3) (UTS value x 2) UAS value (3) divided by 10	Read literature and listen to explanations, peer discussions, and work on 3 X 50 questions			0%

3	Analyzing data with different tests (t test)	Able to calculate and analyze different tests for one population Able to calculate and analyze different tests for two independent populations Able to calculate and analyze different tests for two related 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 NA assessment is given a weight of 3. The final NA is (participation value x2) (assignment value x 3) (UTS value x 2) UAS value (3) divided by 10	Lectures, discussions and questions and answers 9 X 50			0%
4							0%
5							0%
6	Analyze data with Variance Analysis	Able to calculate and analyze one-way ANOVA. Able to calculate and analyze two-way ANOVA	**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 NA assessment is given a weight of 3. The final NA is (participation value x2) (assignment value x 3) (UTS value x 2) UAS value (3) divided by 10	Lectures, discussions and questions and answers 6 X 50			0%
7							0%
8	UTS	UTS	**Criteria:** UTS	UTS 3 X 50			0%

9	Analyze several types of correlation	Able to calculate and analyze product moment correlations. Able to calculate and analyze partial correlations. Able to calculate and analyze multiple correlations	**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 NA assessment is given a weight of 3. The final NA is (participation value x2) (assignment value x 3) (UTS value x 2) UAS value (3) divided by 10	Lectures, discussions and questions and answers 3 X 50			0%
10	Analyzing linear regression	Able to calculate and analyze simple linear regression. Able to calculate and analyze multiple linear regression. Able to understand classical assumption tests	**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 NA assessment is given a weight of 3. The final NA is (participation value x2) (assignment value x 3) (UTS value x 2) UAS value (3) divided by 10	Lectures, discussions and questions and answers 6 X 50			0%
11							0%

| 12 | Analyzing descriptive statistics using SPSS | Understand data input using SPSS. Able to analyze descriptive statistics using SPSS | **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 NA assessment is given a weight of 3. The final NA is (participation value x2) (assignment value x 3) (UTS value x 2) UAS value (3) divided by 10 | Lecture, discussion and Q&A 1 X 1 | | | 0% |
| 13 | Analyzing different tests using SPSS | Able to analyze difference tests (t test) using SPSS Able to analyze ANOVA using SPSS | **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 NA assessment is given a weight of 3. The final NA is (participation value x2) (assignment value x 3) (UTS value x 2) UAS value (3) divided by 10 | Lectures, discussions and questions and answers 3 X 50 | | | 0% |

No							
14	Analyze linear regression using SPSS	Able to analyze simple linear regression using SPSS Able to analyze multiple linear regression using SPSS Able to analyze classical assumption tests using SPSS	**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 NA assessment is given a weight of 3. The final NA is (participation value x2) (assignment value x 3) (UTS value x 2) UAS value (3) divided by 10	Lectures, discussions and questions and answers 6 X 50			0%
15							0%
16	UAS	UAS	**Criteria:** UAS	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.