UNESA Universitas Negeri Surabaya	**Universitas Negeri Surabaya** **Faculty of Social Sciences and Law** **Undergraduate of Public Administration Sciences**	**Document Code**

Lesson Plan

COURSE	Code	Cluster	Credits	Semester	Compilation Date
Social Statistics	4062112020		2	3	2017

AUTHORIZATION	Lesson Plan Developer	Coordinator	Head of Study Program
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Program Learning Outcome (PLO)	**PLO**	
	PLO 3	Able to master qualitative and quantitative analysis methods and techniques for administration
	PLO 6	Able to utilize information technology in managing the organization
	PLO 8	Able to organize activities in implementing public policies and improving public service performance
	PLO 10	Contribute to the improvement the quality of life in society and state
	Course Learning Outcome (CLO)	
	CLO 3	Able to master the methods and techniques of qualitative and quantitative analysis in learning social statistics material
	CLO 6	Able to utilize information technology in organizational management related to social statistics
	CLO 8	Able to organize activities in carrying out and implementing matters related to social statistics on public service performance
	CLO 10	Contributing to improving the quality of social statistics in the life of society and the state
Course Description	This course provides students with understanding and skills in processing statistical data and interpreting the results of the data processing	
Learning Materials/ Topics	1. Understanding statistics 2. Definition of population, sample, type of data and types of statistics 3. Descriptive statistics and compiling the presentation of statistical data 4. Hypothesis test 5. Process data with the help of software 6. Determination of indicators of certain variables 7. Descriptive analysis techniques 8. Comparative analysis techniques 9. Associative analysis techniques 10. Simple linear regression analysis technique 11. Logistic regression analysis technique 12. Survey research method	

References	**Primary:**	1. Hasbullah, Josairi. 2013. Tangguh dengan Statistik. Nuansa Cendekia 2. Sugiyono. 2017. Statistika untuk Penelitian. Bandung: Alfabeta. 3. Riduwan dan Sunarto. 2013. Pengantar Statistika untuk Penelitian Pendidikan, Sosial, Ekonomi, Komunikasi, dan Bisnis. Bandung: Alfabeta. 4. Riduwan. 2013. Dasar-Dasar Statistika. Bandung: Alfabeta. 5. Sunyoto, Danang. 2016. Statistika Deskriptif dan Probabilitas. CAPS (Center for Academic Publishing Service)
	Supplementary:	1. Sugiyono. 2012. Statistik Nonparametris. Bandung: Alfabeta. 2. Siregar, Syofian. 2013. Statistik Parametrik untuk Penelitian Kuantitatif. Bumi Aksara
Lecturer(s)	1. Dra. Ita Mardiani Zain, M.Kes. 2. Fitrotun Niswah, S.AP., M.AP. 3. Badrudin Kurniawan, S.AP., M.AP.	
Prerequisite	-	

Week	**Learning Objectives**	**Assessment**		**Learning Activities and Time Allotment**	**Learning Sources**	**Scoring**
		Indicators	**Criteria/Form/ Type**	**Offline**		
(1)	**(2)**	**(3)**	**(4)**	**(5)**	**(7)**	**(8)**
1	Students can understand about learning contracts and be able to understand the meaning of statistics	1. Understand the learning contract and assessment of learning needs. 2. Be able to explain statistical concepts in social research 3. Be able to explain statistical concepts in the social science paradigm	**Criteria:** Holistic Rubric **Form :** Non Test	• **Forms of Learning:** Face to Face Lecture • **Learning methods:** Discovery Learning • **Student Assignments:** Discuss statistical concepts in social science paradigms and research	1. Study contracts, RPS, and literature 2. Statistics in social research 3. Statistics in social paradigm	5%
2	Students are able to understand the meaning of population, sample, types of data and types of statistics	1. Be able to master how to determine the population and sample 2. Be able to explain the types of data **3.** Be able to explain descriptive and inferential statistics	**Criteria:** Holistic Rubric **Form :** Non Test	• **Forms of Learning:** Face to Face Lecture • **Learning methods:** Discovery Learning Group Discussion	1. Population and Sample, 2. Data Type **3.** Statistical Types	5%

				• **Student Assignment:** Discuss the concept of population, sample, type of data and types of statistics		
3	Students are able to understand descriptive statistics and arrange the presentation of statistical data	1. Be able to perform frequency tabulation, cross-tabulation and graphing and charting	**Criteria:** Holistic Rubric **Form :** Non Test	• **Forms of Learning:** Face to Face Lecture • **Learning methods:** Discovery Learning Group Discussion • **Student Assignments:** compiling the presentation of statistical data	1. Frequency Tabulation **2.** Graphs and Charts	5%
4	Students are able to understand descriptive statistics and arrange the presentation of statistical data	1. Be able to explain the size of the concentration and the size of the spread 2. Able to use the formula to find the value of the size of the center and size of the distribution	**Criteria:** Holistic Rubric **Form :** Non Test	• **Forms of Learning:** Face to Face Lecture • **Learning methods:** Discovery Learning Group Discussion • **Student Assignments:** compiling the presentation of statistical data	1. Size of Concentration 2. Size Spread	5%
5	Students are able to create and test hypotheses	1. Be able to explain the meaning of the hypothesis 2. Able to formulate hypotheses 3. Able to test hypotheses	**Criteria:** Holistic Rubric **Form :** Non Test	• **Forms of Learning:** Face to Face Lecture • **Learning methods:** Problem Based Learning • **Student Assignments:** create and test hypotheses	1. Concept of Hypothesis 2. Hypothesis Testing Formulas	5%
6-7	Students are able to process data with the help of software	1. Able to input data on the software 2. Able to perform hypothesis testing with the help of software	**Criteria:** Holistic Rubric **Form :** Non Test	• **Forms of Learning:** Face to Face Lecture • **Learning methods:** Problem Based Learning	1. Hypothesis Test	10%

		3. Able to present data in the form of graphs or charts with the help of software		● **Student Assignments:** create and test hypotheses using software		
8	**Mid Semester Evaluation / Mid Semester Examination**					
9	Students are able to determine indicators of certain variables	1. Be able to explain social theory in statistical analysis 2. Be able to understand the meaning of theory, concepts, variables, and indicators 3. Be able to determine indicators of certain variables	**Criteria:** Holistic Rubric **Form :** Non Test	● **Forms of Learning:** Face to Face Lecture ● **Learning methods:** Problem Based Learning ● **Student Assignments:** determine indicators of certain variables	1. Theory 2. Concept 3. Variables **4.** Indicators	5%
10	Students are able to understand correlation analysis techniques	1. Be able to explain correlation analysis techniques 2. Explain the direction and strength of the relationship between variables 3. Explain the significance of the relationship between variables	**Criteria:** Holistic Rubric **Form :** Non Test	● **Forms of Learning:** Face to Face Lecture ● **Learning methods:** Problem Based Learning ● **Student Assignments:** test the hypothesis with correlation techniques	**1.** Correlation Analysis Techniques	5%
11-12	Students are able to understand simple linear regression analysis techniques	1. Be able to explain causality analysis techniques 2. Be able to explain the logic of simple linear regression models 3. Be able to explain the use of linear regression	**Criteria:** Holistic Rubric **Form :** Non Test	● **Forms of Learning:** Face to Face Lecture ● **Learning methods:** Problem Based Learning ● **Student Assignments:** test the hypothesis with a simple linear regression technique	1. Simple Linear Regression Analysis Techniques	10%
13-14	Students are able to understand logistic regression analysis techniques	1. Be able to explain the logic of logistic regression models 2. Be able to explain the use of logistic regression	**Criteria:** Holistic Rubric **Form :** Non Test	● **Forms of Learning:** Face to Face Lecture ● **Learning methods:**	1. Be able to explain the logic of logistic regression models	10%

				Problem Based Learning ● **Student Assignments:** test the hypothesis with logistic regression analysis techniques	2. Be able to explain the use of logistic regression	
15	Students are able to understand survey research methods	1. Be able to explain sampling techniques 2. Be able to compose a questionnaire	**Criteria:** Holistic Rubric **Form :** Non Test	● **Forms of Learning:** Face to Face Lecture ● **Learning methods:** Problem Based Learning ● **Student Assignments:** Compile questionnaires and conduct sampling	1. Sampling Technique 2. Questionnaire	5%
16	**End of Semester Evaluation / Final Semester Examination**					