



Universitas Negeri Surabaya
Faculty of Social Sciences and Law,
Social Sciences Education Undergraduate Study Program

Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight	SEMESTER	Compilation Date																																	
Education Statistics	8420703029		T=3 P=0 ECTS=4.77	5	July 18, 2024																																	
AUTHORIZATION	SP Developer		Course Cluster Coordinator		Study Program Coordinator																																	
		Dr. Nuansa Bayu Segara, 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																																					
		<table border="1" style="margin: auto;"> <tr> <td style="width: 10%;">P.O</td> <td colspan="15"></td> </tr> </table>					P.O																															
P.O																																						
	PO Matrix at the end of each learning stage (Sub-PO)																																					
	<table border="1" style="margin: auto;"> <tr> <td rowspan="2" style="width: 10%;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td style="width: 5%;">1</td> <td style="width: 5%;">2</td> <td style="width: 5%;">3</td> <td style="width: 5%;">4</td> <td style="width: 5%;">5</td> <td style="width: 5%;">6</td> <td style="width: 5%;">7</td> <td style="width: 5%;">8</td> <td style="width: 5%;">9</td> <td style="width: 5%;">10</td> <td style="width: 5%;">11</td> <td style="width: 5%;">12</td> <td style="width: 5%;">13</td> <td style="width: 5%;">14</td> <td style="width: 5%;">15</td> <td style="width: 5%;">16</td> </tr> </table>					P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																						
Short Course Description	The educational statistics course provides students with knowledge and skills in order to complete final assignments in the form of theses, especially those that use a quantitative research approach along with methods for collecting data, processing or analyzing it and drawing conclusions based on the data collection and analysis carried out.																																					
References	Main :																																					
	<ol style="list-style-type: none"> 1. Arikunto, Suharsimi. 2006. Prosedur Penelitian Suatu Pendekatan Praktik . Jakarta: Rineka Cipta. 2. Azwar, S. 2004. Metode Penelitian . Yogyakarta: Pustaka Pelajar. 3. Bugin. 2001. Metodologi Penelitian Sosial Format-Format Kuantitatif dan Kualitatif . Surabaya: Airlangga University Press. 4. Sudjana. 2001. Metode Statistika . Bandung: Tarsito. 5. Sunarto. 2001. Metodologi Penelitian Ilmu-ilmu Sosial dan Pendidikan . Surabaya: Unesa. 6. Sujianto, A.E. 2009. Aplikasi Statistik dengan SPSS 16.0 . Tulungagung: Prestasi Pustaka. 7. Riduwan, 2009. Skala Pengukuran Variable-Variable Penelitian. Bandung: CV Alfabeta. 8. Riduwan dan Sunarto, 2009. Pengantar Statistika untuk Penelitian Pendidikan, Sosial, Ekonomi, Komunikasi dan Bisnis . Bandung: CV Alfabeta. 																																					
	Supporters:																																					
Supporting lecturer	Dra. Ita Mardiani Zain, M.Kes. Dr. Muzayanah, S.T., M.T. Dr. Sukma Perdana Prasetya, S.Pd., M.T.																																					
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 statistics and educational statistics	<ol style="list-style-type: none"> 1. understand statistical concepts 2. understand the concept of educational statistics 3. understand the purpose of statistics 4. understand the types of statistics 	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Contains an assessment rubric, for example: 2. question number 1 has a weight of 10 if..... 3. question number 2 has a weight of 5 if.....etc 4. The assessment criteria are carried out by looking at aspects: 5.1. Participation: carried out by observing student activities (weight 2) 6.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 7.3. UAS: carried out every semester to measure all indicators (weight 3) 8.4. Task: carried out on each indicator (weight 3) 9. Student Final Grade: 10. Participation Score (2)%2 Lever Score (3)%2 UTS Score (2)%2 UAS Score (3) divided by 10. 	direct instruction/lecture/discussion 3 X 50			0%
2	Understand statistics and educational statistics	<ol style="list-style-type: none"> 1. understand statistical concepts 2. understand the concept of educational statistics 3. understand the purpose of statistics 4. understand the types of statistics 	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Contains an assessment rubric, for example: 2. question number 1 has a weight of 10 if..... 3. question number 2 has a weight of 5 if.....etc 4. The assessment criteria are carried out by looking at aspects: 5.1. Participation: carried out by observing student activities (weight 2) 6.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 7.3. UAS: carried out every semester to measure all indicators (weight 3) 8.4. Task: carried out on each indicator (weight 3) 9. Student Final Grade: 10. Participation Score (2)%2 Lever Score (3)%2 UTS Score (2)%2 UAS Score (3) divided by 10. 	direct instruction/lecture/discussion 3 X 50			0%

3	Understand data collection and management techniques	<ol style="list-style-type: none"> 1. understand data collection techniques 2. understand concentration size (average size and its types) 3. understand the problem of data distribution 4. understand frequency distribution 5. understand population and sample determination 	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Contains an assessment rubric, for example: 2. question number 1 has a weight of 10 if..... 3. question number 2 has a weight of 5 if.....etc 4. The assessment criteria are carried out by looking at aspects: 5.1. Participation: carried out by observing student activities (weight 2) 6.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 7.3. UAS: carried out every semester to measure all indicators (weight 3) 8.4. Task: carried out on each indicator (weight 3) 9. Student Final Grade: 10. Participation Score (2)%2 Lever Score (3)%2 UTS Score (2)%2 UAS Score (3) divided by 10. 	direct instruction/lecture/discussion 3 X 50			0%
4	Understand data collection and management techniques	<ol style="list-style-type: none"> 1. understand data collection techniques 2. understand concentration size (average size and its types) 3. understand the problem of data distribution 4. understand frequency distribution 5. understand population and sample determination 	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Contains an assessment rubric, for example: 2. question number 1 has a weight of 10 if..... 3. question number 2 has a weight of 5 if.....etc 4. The assessment criteria are carried out by looking at aspects: 5.1. Participation: carried out by observing student activities (weight 2) 6.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 7.3. UAS: carried out every semester to measure all indicators (weight 3) 8.4. Task: carried out on each indicator (weight 3) 9. Student Final Grade: 10. Participation Score (2)%2 Lever Score (3)%2 UTS Score (2)%2 UAS Score (3) divided by 10. 	direct instruction/lecture/discussion 3 X 50			0%

5	Understand data collection and management techniques	<ol style="list-style-type: none"> 1. understand data collection techniques 2. understand concentration size (average size and its types) 3. understand the problem of data distribution 4. understand frequency distribution 5. understand population and sample determination 	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Contains an assessment rubric, for example: 2. question number 1 has a weight of 10 if..... 3. question number 2 has a weight of 5 if.....etc 4. The assessment criteria are carried out by looking at aspects: 5.1. Participation: carried out by observing student activities (weight 2) 6.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 7.3. UAS: carried out every semester to measure all indicators (weight 3) 8.4. Task: carried out on each indicator (weight 3) 9. Student Final Grade: 10. Participation Score (2)%2 Lever Score (3)%2 UTS Score (2)%2 UAS Score (3) divided by 10. 	direct instruction/lecture/discussion 3 X 50		0%
6	understand sampling error and nonsampling error and scale determination	Understanding sampling error Understanding non-sampling error Understanding data scale types	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Contains an assessment rubric, for example: 2. question number 1 has a weight of 10 if..... 3. question number 2 has a weight of 5 if.....etc 4. The assessment criteria are carried out by looking at aspects: 5.1. Participation: carried out by observing student activities (weight 2) 6.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 7.3. UAS: carried out every semester to measure all indicators (weight 3) 8.4. Task: carried out on each indicator (weight 3) 9. Student Final Grade: 10. Participation Score (2)%2 Lever Score (3)%2 UTS Score (2)%2 UAS Score (3) divided by 10. 	direct Instruction/varied lectures/discussions 3 X 50		0%

7	understand sampling error and nonsampling error and scale determination	Understanding sampling error Understanding non-sampling error Understanding data scale types	Criteria: 1.Contains an assessment rubric, for example: 2.question number 1 has a weight of 10 if..... 3.question number 2 has a weight of 5 if.....etc 4.The assessment criteria are carried out by looking at aspects: 5.1. Participation: carried out by observing student activities (weight 2) 6.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 7.3. UAS: carried out every semester to measure all indicators (weight 3) 8.4. Task: carried out on each indicator (weight 3) 9.Student Final Grade: 10.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2)%2 UAS Score (3) divided by 10.	direct Instruction/varied lectures/discussions 3 X 50			0%
8	UTS	UTS		UTS 3 X 50			0%

9	Calculating normality and homogeneity tests	<ol style="list-style-type: none"> 1. Know, understand the normality test 2. Know, understand the homogeneity test 3. Calculating the normality test Calculating the homogeneity test 4. Determine differential statistical analysis 	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Contains an assessment rubric, for example: 2. question number 1 has a weight of 10 if..... 3. question number 2 has a weight of 5 if.....etc 4. The assessment criteria are carried out by looking at aspects: 5.1. Participation: carried out by observing student activities (weight 2) 6.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 7.3. UAS: carried out every semester to measure all indicators (weight 3) 8.4. Task: carried out on each indicator (weight 3) 9. Student Final Grade: 10. Participation Score (2)%2 Lever Score (3)%2 UTS Score (2)%2 UAS Score (3) divided by 10. 	assignment 3 X 50			0%
10	Calculating normality and homogeneity tests	<ol style="list-style-type: none"> 1. Know, understand the normality test 2. Know, understand the homogeneity test 3. Calculating the normality test Calculating the homogeneity test 4. Determine differential statistical analysis 	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Contains an assessment rubric, for example: 2. question number 1 has a weight of 10 if..... 3. question number 2 has a weight of 5 if.....etc 4. The assessment criteria are carried out by looking at aspects: 5.1. Participation: carried out by observing student activities (weight 2) 6.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 7.3. UAS: carried out every semester to measure all indicators (weight 3) 8.4. Task: carried out on each indicator (weight 3) 9. Student Final Grade: 10. Participation Score (2)%2 Lever Score (3)%2 UTS Score (2)%2 UAS Score (3) divided by 10. 	assignment 3 X 50			0%

11						0%
12	Mastering data analysis techniques	<ol style="list-style-type: none"> 1.Mastering Simple Linear Regression Analysis 2.Mastering Correlation Analysis, 3.Mastering One Way Analysis of Variance Analysis 4.Mastering Different Test Analysis 	Criteria: <ol style="list-style-type: none"> 1.Contains an assessment rubric, for example: 2.question number 1 has a weight of 10 if..... 3.question number 2 has a weight of 5 if.....etc 4.The assessment criteria are carried out by looking at aspects: <ol style="list-style-type: none"> 5.1. Participation: carried out by observing student activities (weight 2) 6.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 7.3. UAS: carried out every semester to measure all indicators (weight 3) 8.4. Task: carried out on each indicator (weight 3) 9.Student Final Grade: 10.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2)%2 UAS Score (3) divided by 10. 	Problem based Learning discussions, presentations, group work 3 X 50		0%

13	Mastering data analysis techniques	1.Mastering Simple Linear Regression Analysis 2.Mastering Correlation Analysis, 3.Mastering One Way Analysis of Variance Analysis 4.Mastering Different Test Analysis	Criteria: 1.Contains an assessment rubric, for example: 2.question number 1 has a weight of 10 if..... 3.question number 2 has a weight of 5 if.....etc 4.The assessment criteria are carried out by looking at aspects: 5.1. Participation: carried out by observing student activities (weight 2) 6.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 7.3. UAS: carried out every semester to measure all indicators (weight 3) 8.4. Task: carried out on each indicator (weight 3) 9.Student Final Grade: 10.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2)%2 UAS Score (3) divided by 10.	Problem based Learning discussions, presentations, group work 3 X 50			0%
14							0%
15							0%
16							0%

Evaluation Percentage Recap: Case Study

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.

