

Universitas Negeri Surabaya Faculty of Economics and Business Bachelor of Economics Study Program

Document Code

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Courses				CODE		Cours	se Fami	ily	Credit Weight		SEME	STER	Compilar Date	tion		
Economic Statistics 2				87220030	L6				T=3	P=0	ECTS	=4.77	3	3	July 18, 2	2024
AUTHORIZATION			SP Developer				Course Cluster Coordinator Study F					am				
								Dr. Tony Seno Aji, S.E., M.E.		E.,						
Learning model]	Project Base	d Lea	rning												
Progran Learnin		PLO study p			charged to t	the cou	rse									
Outcom (PLO)		Program Objectives (PO)														
(1 20)		PLO-PO Matrix														
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		PO Matrix a	t the e	end of eac	h learning s	tage (S	ub-PO)								
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Short Course Descrip		This course of estimation; hy students are the results of	pothe: able to	sis testing; <i>i</i> make app	Analysis of Va ropriate decis	riance: 0	Chi Sau	are Te	est: no	n-para	metric	statist	ics. By	studvin	a this subi	iect.
Referen	ces	Main :														
1. Supangat, A. 2007 Algifari. 2003. Stais Atmaja, L.S 2009 Sugiyono. 2016. Si					stik Induktif . Statistika	.Pener untuk E	bit UP Bisnis	P Al dan	MP YI Ekon	KPN: omi.	Yogy Pene	rbit A	ndi: Y	ogyak	arta	
		Supporters:														
Support lecturer		Dr. Lucky Rad Rachma Indra														
Week-	of e	al abilities each rning stage		Eva	luation		Student Assignments, mai			mate	rning erials [ences	Assessment				
	(Su	b-PÖ)	In	dicator	Criteria &	Form	Offlir offlir		O	nline	(onlin	e)	References]		5 ()	
(1)		(2)		(3)	(4)		(5))		(6)		(7)	(8)	

1	Students understand the scope of inferential statistics material	Students are able to understand the scope of inferential statistics material	Criteria: Students can trace back (cognitive) memory regarding basic statistical concepts	Discussion Lecture 3 X 50		0%
2	Students are able to understand probability	1.Students are able to understand the meaning of Probability 2.Students are able to understand the probability value of an event 3.Students are able to calculate and determine probability values 4.Students are able to understand various types of probability		Discussion Lecture 3 X 50		0%
3	Students are able to understand sampling and sampling distribution	1.Students are able to understand the meaning of Sampling Distribution 2.Students are able to understand sample probability 3.Students are able to understand Sample Probability 4.Students are able to understand the sampling distribution of the mean 5.Students are able to understand the sampling distribution of the mean 5.Students are able to understand sampling distribution from proportion 6.Students are able to understand sampling distribution from proportion 6.Students are able to understand the sampling distribution of differences and additions		Discussion Lecture 3 X 50		0%

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4	Students are able to understand and analyze statistical estimates	1.Students are able to understand and analyze the meaning and basic concepts of estimation 2.Students are able to understand and analyze Population Mean estimates 3.Students are able to understand and analyze population percentage estimates 4.Students are able to understand and analyze population percentage estimates 4.Students are able to understand and analyze Population Variance estimates	Discussion Lecture 3 X 50		0%

5	Students are able to study, apply and analyze hypothesis testing	1. Students are able to understand the meaning of Hypothesis 2. Students are able to understand the formulation of Hypothesis 3. Students are able to understand the general steps in Hypothesis Testing 4. Students are able to understand and analyze hypothesis testing regarding the mean with a large sample (n≥30) 5. Students are able to understand and analyzing hypothesis tests regarding means with small samples (n<30) 6. Students are able to understand and analyze hypothesis tests regarding means with small samples (n<30) 6. Students are able to understand and analyze hypothesis tests regarding proportions 7. Students are able to understand and analyze hypothesis tests for differences between two means with large samples (n1; n2 ≥30) 8. Students able to understand and analyze the Two Mean Difference Hypothesis test with a Small Sample (n1; n2 < 30) 9. Students able to understand and analyze the Two Mean Difference Hypothesis test for Paired Observations 10. Students are able to understand and analyze the Two Mean Difference Hypothesis test for Paired Observations 10. Students are able to understand and analyze the Two Mean Difference Hypothesis test for Paired Observations 10. Students are able to understand and analyze the Two Mean Difference Hypothesis test for Paired Observations 10. Students are able to understand and analyze the Two Mean Difference Hypothesis test for Paired Observations 10. Students are able to understand and analyze the Two Mean Difference Hypothesis test for Paired Observations 10. Students are able to understand and analyze the Two Mean Difference Hypothesis test for Paired Observations 10. Students are able to understand and analyze the Two Mean Difference Hypothesis test for Paired Observations 10. Students are able to understand and analyze the Two Mean Difference Hypothesis test for Paired Observations 10. Students are able to understand and analyze the Two Mean Difference Hypothesis test for Paired Observations 10. Students are able to understand and analyze the Two Mean Differenc	Discussion Lecture 3 X 50		0%

9	Students are able to understand and analyze Variance Analysis	1.Students are able to understand the meaning of Variance Analysis 2.Students are able to understand and analyze One Way Anova 3.Students are able to understand and analyze two-way Anova	Discussion Lecture 3 X 50		0%
10	Students are able to understand and analyze Variance Analysis	1.Students are able to understand the meaning of Variance Analysis 2.Students are able to understand and analyze One Way Anova 3.Students are able to understand and analyze two-way Anova	Discussion Lecture 3 X 50		0%
11	Students are able to understand and analyze the Chi Square Test	1.Students are able to understand the meaning of the Chi Square test 2.Students are able to calculate, understand and analyze Chi Square values	Discussion Lecture 3 X 50		0%
12	Students are able to understand and analyze the Chi Square Test	1.Students are able to understand the meaning of the Chi Square test 2.Students are able to calculate, understand and analyze Chi Square values	Discussion Lecture 3 X 50		0%

13	Students are	1.Students	Discussion			0%
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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.
- 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.
- 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.
- 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.
- 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.