Document Code



Universitas Negeri Surabaya Faculty of Mathematics and Natural Sciences Bachelor of Mathematics Education Study Program

SEMESTER LEARNING PLAN

Courses		CODE				Credit \		dit V	Weight		S	EMES	TER			ion		
Statistics		8420202004			Study Progra				2 P=	0 EC	TS=3.1	L8	4				.7,	
AUTHORIZATION			SP Developer			ecis	Course Cluster Coordinator			S	Study Program Coordinator							
			Dimas Avian Maulana, M.S			ii.								Dr. Endah Budi Rahaju M.Pd.		u,		
Project Based	ased Learning																	
PLO study p	PLO study program that is charged to the course																	
PLO-6	Demonstrate religious and cultural values as academic ethics in carrying out professional du								al duti	es								
PLO-7	Apply basic mathematical principles to solve simple mathematical problems																	
							are the student's											
PLO-12	Dem	onstrate mathe	emati	cal k	now	ledg	e and	insig	jht									
Program Ob	jectiv	res (PO)																
PO - 1	Able to demonstrate mathematical knowledge and insight																	
PO - 2	Able to implement basic mathematical principles to solve simple mathematical problems																	
PLO-PO Mat	rix																	
	P.O PLO-6 PLO-7 PLO-10 PLO-12																	
		PO-1		,	/				,			1			1			
		PO-2		,	/			•	,			✓			•			
	_																	
PO Matrix at	t the end of each learning stage (Sub-PO)																	
																		,
		P.O				1		W			Week							
			1	2	3	4	5	6	7	8 9	10	11	12	13	14	15	16	
	Р	O-1	1	•														
	P	0-2																
			•															
consists of ba	sic kn ıeasuı	owledge of sta res of location	tistics and o	s, pre	eser ersio	nting n, no	data i ormal	in tal curv	oular es, h	form ypoth	prese	enting of	lata ir ANO\	n diag /A, co	ram fo rrelati	orm, r on ar	neası ıd sim	ıres
Main :																		
 Weiss, N. A.2015. Elementary Statistics 9th Edition. Boston: Pearson. Ismail, Fajri. 2018. Statistika Untuk Penelitian Pendidikan dan Ilmu-ilmu Sosial. Jakarta: Prenadamrdia Group. Walpole, M. 2013. Probability and Statistics for Engineers and Scientist: Global Edition (9th Edition). Mumbai: Pearson Weiss, N.A. (2012) Introductory Statistics. 9th Edition, Addison-Wesley Pearson Inc., Boston, 193. 																		
	PLO study p PLO-6 PLO-7 PLO-10 PLO-12 Program Ob PO - 1 PO - 2 PLO-PO Mat This course s consists of ba of centrality, n linear regressi Main: 1. Weiss 2. Ismail Group 3. Walpo : Pear	PLO-5 Dem PLO-7 Appl PLO-10 Makeresp PLO-12 Dem Program Objectiv PO-1 Able PO-2 Able PLO-PO Matrix PO Matrix at the 6 PLO-PO Matrix This course studies consists of basic kn of centrality, measur linear regression, go Main: 1. Weiss, N. A 2. Ismail, Fajr Group. 3. Walpole, M : Pearson	Project Based Learning PLO study program that is chape PLO-6 PLO-7 Apply basic mather PLO-10 Make decisions basic responsibility and expression plility and exp	Project Based Learning PLO study program that is charged PLO-6 Demonstrate religious at PLO-10 Make decisions based or responsibility and evaluate PLO-12 Demonstrate mathematic Program Objectives (PO) PO - 1 Able to demonstrate mathematic Program Objectives (PO) PO - 2 Able to implement basic PLO-PO Matrix PO - 2 Able to implement basic PLO-PO Matrix PO-1 PO-2 PO Matrix at the end of each learning PO-2 This course studies data collection, pronsists of basic knowledge of statistics of centrality, measures of location and clinear regression, goodness of fit tests, and the polymer is a statistic of centrality, measures of location and clinear regression, goodness of fit tests, and polymer is a statistic of centrality, measures of location and clinear regression, goodness of fit tests, and polymer is a statistic of centrality, measures of location and clinear regression, goodness of fit tests, and polymer is a statistic of centrality, measures of location and clinear regression, goodness of fit tests, and polymer is a statistic of centrality, measures of location and clinear regression, goodness of fit tests, and polymer is a statistic of centrality, measures of location and clinear regression, goodness of fit tests, and polymer is a statistic of centrality, measures of location and clinear regression, goodness of fit tests, and polymer is a statistic of centrality, measures of location and clinear regression, goodness of fit tests, and polymer is a statistic of centrality, measures of location and clinear regression, goodness of fit tests, and polymer is a statistic of centrality, measures of location and clinear regression, goodness of fit tests, and polymer is a statistic of centrality, measures of location and clinear regression.	Dimas Avian Maulana, Project Based Learning PLO study program that is charged to PLO-6 Demonstrate religious and content and responsibility and evaluate the PLO-10 Make decisions based on daresponsibility and evaluate the PLO-12 Demonstrate mathematical kerogram Objectives (PO) PO - 1 Able to demonstrate mathem PO - 2 Able to implement basic mathem PO - 2 Able to implement basic mathem PO-2 PLO-PO Matrix PO PLO-1 PO-1 PO-2 PO Matrix at the end of each learning service of centrality, measures of location, proceconsists of basic knowledge of statistics, proficent ality, measures of location and dispellinear regression, goodness of fit tests, and to Main: 1. Weiss, N. A.2015. Elementary Statistics, Program Objectives (PO) Nain: 1. Weiss, N. A.2015. Elementary Statistics, Program Objectives (PO) PO-1 PO-2 PO-1 PO-1 PO-1 PO-1 PO-1 PO-1 PO-1 PO-1	PLO-5 Able to demonstrate mathematical PD-2 Able to implement basic mathematical PD-2 Able to implement basic mathematical PD-2 PD-1 PD-1 PD-2 PD-1 PD-1 PD-2 PD-1 PD-1 PD-2 PD-1 PD-2 PD-1 PD-1 PD-2 PD-1 PD-2 PD-1 PD-1 PD-2 PD-1 PD-1 PD-2 PD-1 PD-1 PD-1 PD-1 PD-1 PD-1 PD-1 PD-1	Dimas Avian Maulana, M.Si. 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Project Based Learning PLO study program that is charged to the course PLO-6 Demonstrate religious and cultural values as academic ethics in PLO-7 Apply basic mathematical principles to solve simple mathematical principles to solve simple mathematical program objectives (PO) PLO-10 Make decisions based on data/information in completing assign responsibility and evaluate the work that has been done PLO-12 Demonstrate mathematical knowledge and insight Program Objectives (PO) PO-1 Able to demonstrate mathematical principles to solve simple PLO-PO Matrix PO-2 Able to implement basic mathematical principles to solve simple PLO-PO Matrix PO-1 PO-1 PO-2 PO-1 PO-1 PO-2 PO-1 PO-1 PO-2 PO-1 PO-2 PO-1 PO-1 PO-2 PO-1 PO-1 PO-2 PO-1 P	Remity Study Program T=2 P=0 ECTS=3.1	Sadding Sample Sample	Section Sect	Section Section Study Program Text Peo ECTS=3.18 4	Saturd S	Saturd S

	Supporters:
Supporting lecturer	Dr. Rini Setianingsih, M.Kes. Dr. Ismail, M.Pd. Affiati Oktaviarina, S.Si., M.Sc. Dr. Heri Purnomo, M.Pd. Sugi Hartono, M.Pd. Danang Ariyanto, S.Si., M.Si. Dr. Yurizka Melia Sari, M.Pd. Dimas Avian Maulana, S.Si., M.Si. Mukhtamilatus Sa'diyah, M.Pd.

	Mukhtamilatus Saʻdiyah, M.Pd.							
Week-	Final abilities of each	Eva	luation	Stu	Help Learning, earning methods, dent Assignments, Estimated time]	Learning materials	Assessment Weight (%)	
Week	learning stage (Sub-PO)	Indicator	Criteria & Form	Offline (offline)	Online (<i>online</i>)	References		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
1	Understand the meaning of statistics, population, samples, sampling techniques and types of data	1.Explain basic knowledge of statistics, populations and samples. 2.Apply basic knowledge of statistics, populations and samples in everyday life. 3.Explain sampling techniques and the types of data obtained.	Form of Assessment : Practice / Performance	Case Study 2x50			5%	
2							0%	
3							0%	
4							0%	
5							0%	
6							0%	
7							0%	
8							0%	
9							0%	
10							0%	
11							0%	
12							0%	
13							0%	
14							0%	

15				0%
16				0%

Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Practice / Performance	5%
		5%

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
- 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.
- 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.