

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

Document Code

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			SEM	IES	STE	≣R	LE	ΞAF	RN	INC	e P	LA	N								
Courses			CODE				C	ourse	Fami	ily	Cr	edit W	eight/		;	SE	MESTER	₹	Cor Dat	npila e	tion
Advanced Econometrics			8722003063	8722003063			Compulsory Study Program Subjects		T=	3 P=	0 EC	TS=4.	77		4		Jun	e 6, 2	023		
AUTHORIZAT	SP Develop	oer				<del>ogran</del>	- Sub		rse C	luster	Cool	dinate	or s	Study Program Coordina			ator				
			Kukuh Arise	Kukuh Arisetyawan,S.Pd., N			M.E.	E. Dr. Lucky Rachmaw M.Si			nawai	i, S.E.	,	Dr. Tony Seno Aji, S.E., M.E			И.E.				
Learning model	Project Based Le	ear	ning																		
Program Learning	PLO study prog	jra	m that is charg	jed t	o the	cou	ırse														
Outcomes	PLO-4	De	evelop yourself c	ontin	uousl	y and	d col	labora	te.												
(PLO)	PLO-5	Al	ole to analyze ov	erall	econo	omic	theo	retical	conc	epts											
	PLO-8	Αŀ	ole to apply inforr	natio	n tecl	hnolo	ogy ir	n probl	lem s	olving	l										
	PLO-9		ole to make decis onetary economi						finfor	matio	n and	l data	in the	fields	of de	eve	lopment	plan	ning	,	
	Program Object	Program Objectives (PO)																			
	PO - 1	St	udents are able t	o exp	olain r	nore	abo	ut adv	anced	d ecor	nome	tric mo	dels i	n ecor	nomic	c ai	nalysis				
	PO - 2	Αp	ply various econ	omet	ric m	odels	s to c	liscuss	s ecor	nomic	prob	lems a	and ph	enom	ena.						
	PLO-PO Matrix																				
		P.O         PLO-4         PLO-5         PLO-8         PLO           PO-1         ✓         ✓         ✓         ✓           PO-2         ✓         ✓         ✓         ✓																			
	PO Matrix at the	e e	nd of each lear	rninç	y sta	ge (S	Sub-	PO)													
			P.O									Weel	,								1
			P.0	1	2	3	Τ,	5		T -	_	9	1	11	12	<u> </u>	10 1	<u>,                                    </u>	1.	10	-
				1		3	4	5	6	7	8		10	11	12	+	13 1	4	15	16	
			PO-1					-	1		1	1	1	1	1	_					
			PO-2	1	1																
Short Course Description	This course discu this lecture focus continuation of Ed bivariate and mult by a model using	on con tiva	regression analy nometrics I which ariate models (VA	/sis v n incl (R), E	vhich udes Error (	capt a re Corre	ures view ection	causa of Ec	ality (f onom	unctio	onal) i s I ma	relatio aterial,	nships time	s. In m series	ore o	deta dels	ail, this le s includii	ectui ng A	e ma RIM	aterial A mod	l is a dels,
References	Main :																				
	<ol> <li>Wooldridg</li> <li>Wahyudi,</li> </ol>	ge, S.	D. N., & Porter, D. C. (2009). Basic econometrics. McGraw-hill. ge, J.M. (). Introductory Econometrics. S.T. (2016). Konsep dan Penerapan Ekonometrika menggunakan E-Views. PT. Rajawali Press: Jakarta .H. (2008). Econometrics. Springer																		
Supporters:																					
Supporting lecturer	Dr. Lucky Rachm Dr. Prayudi Setiav Kukuh Arisetyawa Wenny Restikasa	war an,	n Prabowo, S.E., S.Pd., M.E.	M.E.																	
	1,	-,	, 3.2.																		

Week-	Final abilities of each learning stage	Evalu	ation	Lea Stude	elp Learning, rning methods, ent Assignments, stimated time]	Learning materials [References]	Assessment Weight (%)
	(SuĎ-PO)	Indicator	Criteria & Form	Offline ( offline )	Online ( online )	[ References ]	• ,
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Students are able to explain the basic concepts of time series	1.Understand the basic concepts of time series 2.Explaining the Stationarity Test	Criteria: According to scoring guidelines Form of Assessment: Participatory Activities	Lecture, Project Based Learning 3 X 50	Lecture, Project Based Learning	Material: time series References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	2%
2	Students are able to explain the basic concepts of time series	1.Understand the basic concepts of time series 2.Explaining the Stationarity Test	Criteria: According to scoring guidelines Form of Assessment: Practical Assessment	Lecture, Project Based Learning 3 X 50	Lecture, Project Based Learning	Material: time series References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	3%
3	Students are able to understand, explain and analyze forecasting	1.Explaining Autoregressive and Moving Average (ARMA) 2.Explaining Moving Average (MA)	Criteria: According to scoring guidelines  Form of Assessment: Practical Assessment	Project based learning 3 X 50		Material: Autoregressive Integrated Moving Average References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	4%
4	Students are able to understand, explain and analyze forecasting	1.Explaining Autoregressive and Moving Average (ARMA) 2.Explaining Moving Average (MA)	Criteria: According to scoring guidelines  Form of Assessment: Participatory Activities	Project based learning 3 X 50		Material: Autoregressive Integrated Moving Average References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	4%
5	Students are able to understand and analyze Vector Autoregressive and Vector Error Correction Models	1.Analyzing Vector Autoregressive Models 2.Analyzing the Vector Error Correction Model 3.	Criteria: According to scoring guidelines  Form of Assessment: Practical Assessment	Interactive lectures, discussions and problem based learning 3 X 50		Material: Vector Autoregressive References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	4%
6	Students are able to understand and analyze Vector Autoregressive and Vector Error Correction Models	1.Analyzing Vector Autoregressive Models 2.Analyzing the Vector Error Correction Model 3.	Criteria: According to scoring guidelines  Form of Assessment: Practical Assessment	Interactive lectures, discussions and problem based learning 3 X 50		Material: Vector Autoregressive References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	4%
7	Students are able to understand and analyze Vector Autoregressive and Vector Error Correction Models	1.Analyzing Vector Autoregressive Models 2.Analyzing the Vector Error Correction Model 3.	Criteria: According to scoring guidelines  Form of Assessment: Participatory Activities, Practical Assessment	Interactive lectures, discussions and problem based learning 3 X 50		Material: Vector Autoregressive References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	4%
8	UTS	UTS	Criteria: Can do things well and correctly  Form of Assessment: Project Results Assessment / Product Assessment	UTS 3 X 50	UTS 3 X 50	Material: Material 1-7 References: 1. Gujarati, D. (2004). Basic Econometrics.	20%

9	Students are able to explain and apply regression with panel data	1.Students are able to describe panel data 2.Students are able to analyze using models with panel data	Criteria: According to scoring guidelines Form of Assessment: Test	Discussion and Problem based learning 3 X 50		Material: panel regression model References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	2%
10	Students are able to explain and apply regression with panel data	1.Students are able to describe panel data     2.Students are able to analyze using models with panel data	Criteria: According to scoring guidelines Form of Assessment: Test	Discussion and Problem based learning 3 X 50		Material: panel regression model References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	3%
11	Students are able to explain and apply the qualitative response regression model	Students are able to explain the qualitative response regression model     Students are able to apply the qualitative response regression model	Criteria: According to scoring guidelines Form of Assessment: Practical Assessment	Discussion and Problem based learning 3 X 50		Material: qualitative response regression model References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	4%
12	Students are able to explain and apply the logit model	1.Students are able to explain the logit model     2.Students are able to apply the logit model	Criteria: According to scoring guidelines  Form of Assessment: Participatory Activities, Practical Assessment	Discussion and Problem based learning 3 X 50		Material: Logistic model References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	4%
13	Students are able to explain and apply the probit model	1.Students are able to explain the probit model     2.Students are able to apply the probit model	Criteria: According to scoring guidelines  Form of Assessment: Practical Assessment	Discussion and Problem based learning 3 X 50		Material: Logistic model References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	4%
14	Students are able to explain and apply the Tobit model	1.Students are able to explain the Tobit model     2.Students are able to apply the Tobit model	Criteria: According to scoring guidelines  Form of Assessment: Practical Assessment, Test	Discussion and Problem based learning 3 X 50	Closed quizzes test understanding of the material	Material: Tobit model References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	4%
15	Students are able to explain and apply multinominal logit	1.Students are able to explain the multinominal logit model 2.Students are able to apply the multinominal logit model	Criteria: According to scoring guidelines Form of Assessment: Test	Discussion and Problem based learning 3 X 50	Closed quizzes test understanding of the material	Material: Multinomila logit References: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	4%
16	UAS	UAS	Criteria: Can do things well and correctly  Form of Assessment: Project Results Assessment / Product Assessment	Practice Testing 3 X 50 data		Material: Overall material Reference: Gujarati, DN, & Porter, DC (2009). Basic econometrics. McGraw Hill.	30%

## **Evaluation Percentage Recap: Project Based Learning**

⊏va	Evaluation Percentage Recap. Project Based Learning						
No	Evaluation	Percentage					
1	Participatory Activities	10%					

2.	Project Results Assessment / Product Assessment	50%
3.	Practical Assessment	29%
4.	Test	11%
		100%

## 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.
- 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.
- 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.