	TIME	SERI	ES ANALYSIS								
1	Course Title:	TIME SE	RIES ANALYSIS								
2	Course Code:	EKO510	1								
3	Type of Course:	Compuls	sory								
4	Level of Course:	Second									
5	Year of Study:	1									
6	Semester:	1									
7	ECTS Credits Allocated:	7.00									
8	Theoretical (hour/week):	3.00									
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	No									
12	Language:	Turkish	rkish								
13	Mode of Delivery:	Face to f	ace								
14	Course Coordinator:	Prof. Dr.	ERKAN IŞIGIÇOK								
15	Course Lecturers:		Erkan IŞIĞIÇOK								
16	Contact information of the Course Coordinator:	E-posta : eris@uludag.edu.tr Telefon: 0 224 29 41101 Adres: Uludağ Üniversitesi, İktisadi ve İdari Bilimler Fakültesi, Ekonometri Bölümü,16059, Görükle/Bursa.									
17	Website:										
18	Objective of the Course:	The aim of the course is to teach the basic concepts and models for time series analysis.									
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	To be able to analyze time-series graphs with different structures.								
		2	To be able to analyze the stationary and nonstationary stochastic processes.								
		3	To be able to know the relationship between time-series approach to econometric approach.								
		4	To be able to define autoregressive moving average processes.								
		5	To be able to use the Box-Jenkins approach.								
		6	To be able to apply analysis of Granger Causality and interpret the findings.								
		7	To be able to apply unit root tests.								
		8	To be able to apply ARIMA models and causal models to the time series data.								
		9									
		10									
21	Course Content:										
10/0-1	Theoretical	Co	ourse Content:								
	Theoretical Philosophical and Statistical Sansa (Practice								
1 2	Philosophical and Statistical Sense C Econometric Approach and Time Se Analysis Approach										

3	Factor	rs A	Affecti	ng the	Time	Series	6											
4	Theoretical Framework for Analysis of Time Series																	
5	Theor	Theoretical Framework of Causality Tests																
6	Data Entry to Eviews Package Program and Features of The Commands																	
7	Investigation of the Relationships Between Variables with Causality Tests and Eviews Practises																	
8	Time-	Ser	ries Pa	atterns	s and	Eviews	s Prac	tises										
9	Stationary and Nonstationary Stochastic Processes																	
10		Stationarity Analysis with correlogram and Eviews Practises																
11	Statio Eview				with l	Jnit Ro	ot Te	st and										
12	AR Model Estimation with Box-Jenkins Method and Eviews Practises																	
13	MA M Metho					Box-Je ses	enkins											
14	ARIMA Model Estimation with Box-Jenkins Method and Eviews Practises																	
22				ferenc	es an	d/or O	ther									ensellik		
	22 Textbooks, References and/or Other Materials:								Çö 2	Cözümlemesi, Uludağ Üniversitesi Basımevi, 1994. 2. Mustafa SEVÜKTEKİN ve Mehmet								
Activit	Activites									Numb					hour)	Total Work Load (hour)		
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ÖK3	2		5	4	2	3	5	1	5	5	4	5	4	0	0	0	0	

ution Level:			2100						- mgn							
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LO: Learning Objectives PQ: Program Qualifications																
ÖK8	3	5	3	5	4	5	4	4	5	4	5	4	0	0	0	0
ÖK7	3	3	2	4	4	4	4	4	3	3	3	3	0	0	0	0
ÖK6	2	4	2	3	3	5	4	5	5	4	5	4	0	0	0	0
ÖK5	2	5	2	2	3	3	2	3	2	3	3	2	0	0	0	0
ÖK4	2	5	3	4	3	4	2	4	4	4	4	2	0	0	0	0