	STATISTICAL	APPL	ICATIONS IN FINANCE						
1	Course Title:	STATIS	TICAL APPLICATIONS IN FINANCE						
2	Course Code:	IFY5304							
3	Type of Course:	Compuls	sory						
4	Level of Course:	Second	Cycle						
5	Year of Study:	1							
6	Semester:	2							
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							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Prof. Dr.	Lale Karabıyık						
15	Course Lecturers:	Prof. Dr.	Ayşe OĞUZLAR						
16	Contact information of the Course Coordinator:	lale@uludag.edu.tr 0224 294 11 56							
17	Website:								
18	Objective of the Course:	The objective of this course is to teach statistical applications in finance.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	To be able to comprehend basic statistical concepts.						
		2	To be able to understand risk concept and value at risk.						
		3	To be able to draw and interpret financial graphs.						
		4	To be able to apply probability theory in finance						
		5	To be able to use simple and multiple regression models						
		6	To be able to make interpolation.						
		7	To be able to use advanced statistical techniques that are used in financial field.						
		8	To be able to make data mining analyses in finance						
		9							
		10							
21	Course Content:								
		Co	purse Content:						
Week	Theoretical		Practice						
1	Averages								
2	Risk concept and variability measure	es							

3	Valu	ie at	risk															
4	Gra	aphics (histogram, box-whiskers, scatter																
	plot)	,																
5		dices and their types																
6		inancial proportions robability theory and random variables																
7					d rand	dom va	riable	s	\perp									
8	Norr	mal d	listribu	ıtion														
9	Norr	Normality tests and graphics																
10	Sim	Simple and multiple regression																
11	Time	ime series analysis and trend																
12	Inte	rpola	tion															
13	Adv	ance	d stati	stical	techn	iques i	n finar	nce										
14	Data	a min	ing in	financ	е													
	2 E 3 k 4								2. Bu 3. Ki 4.	Kitabevi, Bursa, 2010. 2. Prof. Dr. Necmi Gürsakal, Çıkarımsal İstatistik, Dora, Bursa, 2009. 3. Prof. Dr. Mustafa Aytaç, Matematiksel İstatistik, Ezgi Kitabevi, Bursa, 2004. 4.Lale Karabıyık ve Adem Anbar, Sermaye Piyasası ve Yatırım Analizi, Ekin Kitabevi, Bursa, 2010.								
23	Asse	esme	ent															
Activites								Numb	er		Dura	ition (Total Work Load (hour)					
Cheore	etical						0		0.	<i>30</i>			3.00			42.00		
Practica	als/L	abs								0			0.00		0.00			
Self set	udyna Xama	nd pr	epera	ition			1		60	o! ∂ o			6.00		84.00			
Homew	omeworks									2			15.00)		30.00		
Beniant	Collection of Term (Year) Learning Activities to 4								40	0.00			0.00			0.00		
Field S	ield Studies									0			0.00		0.00			
Clicatterito	Modifiering texasion (SFinal Exam to Success Grade 6								60	0000			0.00		0.00			
Others	others									2			20.00		40.00			
Measurement and Evaluation Techniques Used in the							е	1			15.00		15.00					
Total Work Load													211.00					
Ta24 waratasi/3WQRK LOAD TABLE														7.03				
ECTS Credit of the Course							7.00											
25										RNING OUTCOMES TO PROGRAMME JALIFICATIONS								
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1		3	4	4	3	4	3	4	3	4	5	3	4	0	0	0	0	
ÖK2		3	4	3	4	4	3	3	4	3	4	3	5	0	0	0	0	

ÖK3

ÖK4

Contrib ution Level:	ution		:	2 low			3 Medium			4 High			5 Very High			
LO: Learning Objectives PQ: Program Qualifications																
ÖK8	4	5	3	3	3	3	3	3	3	4	4	4	0	0	0	0
ÖK7	3	3	3	4	4	4	3	3	4	3	3	3	0	0	0	0
ÖK6	4	4	3	3	4	4	4	4	3	3	4	4	0	0	0	0
ÖK5	3	5	4	3	3	3	3	4	3	3	3	5	0	0	0	0