	FINAN	CIAL	ENGINEERING					
1	Course Title:	FINANC	IAL ENGINEERING					
2	Course Code:	END406	9					
3	Type of Course:	Optional						
4	Level of Course:	First Cyc	le					
5	Year of Study:	4						
6	Semester:	7						
7	ECTS Credits Allocated:	3.00						
8	Theoretical (hour/week):	2.00						
9	Practice (hour/week):	0.00						
10	Laboratory (hour/week):	0						
11	Prerequisites:	None						
12	Language:	Turkish						
13	Mode of Delivery:	Face to f	ace					
14	Course Coordinator:	Doç. Dr.	ASLI AKSOY					
15	Course Lecturers:							
16	Contact information of the Course Coordinator:							
17	Website:							
18	Objective of the Course:	To give information to students about corporate finance, functions corporate finance, financial techniques, financial risk and measurement, bond and stock valuation, financial markets, portfol management and financial derivatives; and to improve students' ability of interpretation and analysis on these topics.						
19	Contribution of the Course to Professional Development:							
20	Learning Outcomes:							
		1	To be able to comprehend functions concerning financial management in the enterprises					
		2	To understand financial techniques such as factoring, forfeiting, leasing to overcome the problem of financing					
		3	To be able to make mathematical analysis related to financial decision making					
		4	To be able to analyze and interpret the developments and events in the financial markets					
		5	Understand bonds and stock valuation methods and to be able to use them in investment decisions					
		6	To be able to have a knowledge of how derivative products work and how they are used					
		7						
		8						
		9						
		10						
21	Course Content:							
		Co	ourse Content:					
Week	Theoretical		Practice					
1	Introduction to Finance and Financia Engineering	al						

2	Functi Goals	ons of	s of C the Fi	orpora rms	ate Fir	nance a	and Fi	nancia	al										
3	Time Value of Money																		
4	Break	eve	en Ana	alysis	and L	everag	е												
5	Finan	cial	Tech	niques	S														
6	Measu	urin	g Risl	k and	Retur	n													
7	Portfo	Mana	gemei	nt															
8	Finan	cial	Mark	ets															
9	Financial Assets in Capital Markets																		
10	Financial Institutions in Capital Markets																		
11	Bond	Val	uatior	ו															
12	Stock	Va	luatio	n															
13	Finan	cial	Deriv	vatives	: Swa	ips and	l Optio	ons											
14	Financial Derivatives: Forwards and Futures																		
22	Textbooks, References and/or Other Materials:									 Lale KARABIYIK & Adem ANBAR, Sermaye Piyasası ve Yatırım Analizi, Ekin Yayınevi, Bursa, 2010. Bolak, Mehmet, Finans Mühendisliği, Beta, İstanbul, 1998. Hull, John C., Options, Futures and Other Derivatives, Pearson Education, New Jersey, 2006. 									
23	Asses	me	nt																
Activit	ctivites								٦	Numb	er		Dura	ition (Total Work Load (hour)				
QNecore	tical						0		0.0	4			2.00			28.00			
Practica	als/Lab	s							C	0				0.00			0.00		
Biena ls E	PSEX®Mand preperation 1									60190				2.00			28.00		
Homew	neworks									1				4.00			4.00		
Pontrida	sition o	of To	erm (`	Year)	Learn	ing Act	ivities	to	40	40,00				0.00			0.00		
Field St	tudies								C)			0.00			0.00			
Mateih	ntribution of Final Exam to Success Grade									60,00				15.00			15.00		
Others	ners										0			0.00			0.00		
Measter	aas Erxement and Evaluation Techniques Used in the										1					15.00			
Total W	tal Work Load															90.00			
Tốtai w	Jial Work load/ 30 hr													3.00					
ECTS	S Credit of the Course									3.00									
25	5 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
	P	ຊ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16		
ÖK1	4		4	0	0	0	5	5	0	5	0	0	0	0	0	0	0		
ÖK2	0		0	0	4	0	5	5	4	0	0	0	0	0	0	0	0		
ÖK3	0		0	0	3	0	5	5	3	0	0	0	0	0	0	0	0		
ÖKA			0		0	0	4	4	0		0	0	0	0	0		0		
UN4	10		0	11.1	11.1		. / .	14											

ÖK5	0	0	0	0	0	3	5	0	5	0	0	0	0	0	0	0
ÖK6	0	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	Contrib 1 very low ution Level:		2 low			3 Medium			4 High			5 Very High				