FINANCIAL MATHEMATICS									
1	Course Title:	FINANC	AL MATHEMATICS						
2	Course Code:	MAT410	9						
3	Type of Course:	Optional							
4	Level of Course:	First Cyc	cle						
5	Year of Study:	4							
6	Semester:	7							
7	ECTS Credits Allocated:	6.00							
8	Theoretical (hour/week):	3.00							
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:	Prof. Dr.	BASRİ ÇELİK						
15	Course Lecturers:	Yok							
16	Contact information of the Course Coordinator:	Prof. Dr. Basri ÇELİK							
17	Website:								
18	Objective of the Course:	To introduce the mathematical information in financial techniques and principles, to teach its usage and application through various problems.							
19	Contribution of the Course to Professional Development:	Basic concepts will be given to those who want to work in banking and financial institutions.							
20	Learning Outcomes:								
		1	Students gain essential knowledge and skills to pursue further study in business, management, finance and related business fields.						
		2	Students learn the basics about interest, basic and general annuities, and Depreciation and payables accounts.						
		3	Students practice on real life problems related to finance.						
		4							
		5							
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
	Theoretical		Practice						
1	Measurement of Interest: Savings an Amount Functions, Effective Interest Simple and Compound Interest.								
2	Present value, Effective discount rat Nominal interest and discount rates.	е,							
3	Instant simple and compound interest Variable interest.	st rate,							

4	Applications related to interest: Basic problem, Equality of present value of two cash flows, Unknown payment time.															
5	Faiz ile ilgili uygulamalar: Bilinmeyen faiz oranı, Zaman periyotlarının belirlenmesi.															
6	Applications related to interest: Sample Applications.															
7	Basic Annuities: End-of-period annuities, Beginning annuities															
8	Fundemental Annuities: Value of an annuity at any date, Annuities with an infinite number of paid offs, Number of unknown periods							r								
9	Fundamental Annuities: Unknown interest rate, Variable interest rate annuities, Applications related to fundamental annuities.							3.								
10	General Annuities: Payments made at different frequencies than the conversion period, Variable annuities															
11	General Annuities: Annuities with varying payouts in the form of an arithmetic series															
12	General Annuities: Annuities with varying payouts in the form of a geometric series															
13	Determination of depreciation payments and debt payment fund balance.															
14	Depreciation payments, Unpaid debt amount.															
	T. 4.	J . D .			1/ 0	d		14.	ш	0 0 1	. T T.		() . (- 422 B.A.,	-0	1-11 11
Activit									Numb	er		Dura	ition (· / I	Total W Load (f	
Th 2 3 re	t i&a \$esm	ent							14			3.00			42.00	
Practica	als/Labs								0			0.00			0.00	
Selfsth	PExand	orepera	ation			1		40	4 0 1.00			9.00			126.00	
Homew	orks/								0			0.00			0.00	
Project:	S Work-pro	iect				0		0.0	90			0.00			0.00	
Field St	tudies								0 0.00			0.00				
Midtern Total	n exams					2	<u> </u>	10	100.00			6.00			6.00	
Others								0			0.00			0.00		
Sinates	acteEsce@nsade						Щ	1			6.00	6.00			6.00	
	otal Work Load												186.00			
T8tal w	work load/ 30 hr						10	100.00				6.00				
ECTS (S Credit of the Course							6.00								
Course				_												
24	ECTS	/ WO	RK L	OAD	TAB	LE										
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ	1 PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16
ÖK1	0	4	0	5	0	0	0	0	4	0	0	0	0	0	0	0
ÖK2	0	4	0	5	0	0	0	0	4	0	0	0	0	0	0	0
ÖK3	0	4	0	5	0	0	0	0	4	0	0	0	0	0	0	0
				<u> </u>	<u> </u>	<u> </u>							L			

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