	FINA		IATHEMATICS							
1	Course Title:	FINANC	E MATHEMATICS							
2	Course Code:	ISL2203								
3	Type of Course:	Optional								
4	Level of Course:	First Cyc	le							
5	Year of Study:	2								
6	Semester:	3								
7	ECTS Credits Allocated:	5.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish	urkish							
13	Mode of Delivery:	Face to f	ace							
14	Course Coordinator:	Prof. Dr.	Ümit Gücenme Gençoğlu							
15	Course Lecturers:	Doç. Dr.	Değer ALPER							
16	Contact information of the Course Coordinator:	lale@uludag.edu.tr								
17	Website:									
18	Objective of the Course:	To give the mathematical knowledge related to infrastructure in creating an effective financial policy in the enterprises and obtain appropriate investment and financing decisions.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:		-							
		1	To be able to make the cost calculations of borrowing transactions effectively.							
		2	Understand the alternative ways of payment and their costs related to the lending and borrowing transactions in the enterprises.							
		3	Understand the types of stocks and bonds and the valuation methods and to be able to use them in investment decisions.							
		4	To be able to determine the value of investments during the issue of fixed asset investment decisions and choose from the alternatives.							
		5	To be able to make mathematical analysis related to personal financial decision making.							
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
Week	Theoretical		Practice							
1	Time Value of Money, Definition and Interest	Types of								

2	Simple Interest: Internal and External Interest								st									
3	Simple Discount: Internal and External Discount Calculation and Equivalent Bonds																	
4	Compound Interest: Nominal and Effective Interest Rates																	
5	Compound Discount: Discount Calculation and Equivalent Bonds																	
6	Practice Related to Money and Capital Markets Intruments: -Treasury Bill -Commercial Paper -Repo Valuation																	
7	Payments (Annuity) and Types of Payments: Equally Consistent, Changing Consistent and Deferred Payments																	
8	Cas	se Stu	ıdy															
9	9 Payments (Annuity) and Types of Payments: Expedite, Constinuous, Constinuous and Deferred, Constinuous and Expedite Payments.																	
10	Deb	ot Pay	/ment	S														
11	Deb	ot Pay	/ment	S														
12	Bon	id Va	luatior	า														
Activites									Number				Duration (hour)			Total Work Load (hour)		
Theore Materials:								2	2 Nurhan Aydın, Finans				Matematiği.			42.00		
Practicals/Labs									-	0			0.00	0.00			0.00	
Self stu	Self study and preperation									14			4.00	4.00			56.00	
Homew	Homeworks									0			0.00	0.00			0.00	
PFBAct										мыснт				0.00				
Field S	Field Studies								(0						0.00		
Midtern	Midterm exams								0.0	50			26.00			26.00		
Others	thers							(0			0.00			0.00			
Einal E	xam xam	s j					1		60	100			26.00			26.00		
Total W	Vork	Load														176.00		
Total w Contrib	ork I	oad/	.30 hr. erm (`	Year)	learn	ina Act	ivities	to	40	00						5.00		
ECTS	Cred	it of t	he Co	urse												5.00		
Contribution of Final Exam to Success Grade								60	60.00									
Total								10	100.00									
Measur Course	reme	ent an	nd Eva	luatio	n Tec	hnique	s Use	d in th	e									
24	EC	TS /	WO	RK L	OAD	TAB	LE											
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1		0	0	3	3	0	0	5	0	5	0	0	0	0	0	0	0	

ÖK2	0	3	3	3	0	0	4	0	5	0	0	0	0	0	0	0
ÖK3	0	0	3	0	0	0	4	0	5	0	0	0	0	0	0	0
ÖK4	0	0	3	3	0	4	5	0	5	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low			3 Medium			4 High			5 Very High				