	FINA		IATHEMATICS							
1	Course Title:	FINANC	E MATHEMATICS							
2	Course Code:	ISL2203								
3	Type of Course:	Optional								
4	Level of Course:	First Cycle								
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								
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 obtaining 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:							
	Theoretical		Practice							
1	Time Value of Money, Definition and Interest	I Types of								

2	Sim	mple Interest: Internal and External Interest																
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	Case Study																	
9																		
10	Deb	ot Pay	/ment	S														
11	Deb	ot Pay	/ment	S														
12	Bon	id Va	luatior	า														
Activit	tes		duatia	<u>n</u>						Numt			Dura	·	ŕ	Total V Load (ł		
Theoret Materials:								2	2 Nurhan Aydın, Finans				Matematiği.			42.00		
	Practicals/Labs									0				0.00			0.00	
Self stu	Self study and preperation									14				4.00			56.00	
Homew	vorks	6							(0			0.00			0.00		
PFBAct	FAR	NING	ACTI	VITIES	;		N	UMBE	W	JIGHT			0.00			0.00		
Field S	tudie	es					- 18		(0			0.00			0.00		
Midtern	didterm exams							0.0	odo						26.00			
Others									0						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		
Contrib	outior	n of F	inal E	xam to	o Suc	cess G	rade		60	.00								
Total									10	0.00								
Measur Course		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 ution Level:	on				2 low		3 Mediu				4 Hig	h	5 Very High			