	FINAI		ATHEMATICS						
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 face							
14	Course Coordinator:	Prof. Dr. DEĞER ALPER							
15	Course Lecturers:	Prof. Dr. Değer ALPER							
16	Contact information of the Course Coordinator:	Prof. Dr. Değer ALPER dalper@uludag.edu.tr Bursa Uludağ Üniversitesi, İ.İ.B.F, A Blok, 3. Kat İşletme Bölümü							
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:	Capability to make basic mathematical analysis used in financial decisions.							
20	Learning Outcomes:								
		1 To be able to make the cost calculations of borrowi transactions effectively.							
		2	Understand the alternative ways of payment and their costs related to the lending and borrowing transactions in the enterprises.						
		3	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	Types of							

2	Simple Interest: Internal and External	Interest						
3	Simple Discount: Internal and Externa Discount Calculation and Equivalent I							
4	Compound Interest: Nominal and Effe	ective						
5	Compound Discount: Discount Calcul and Equivalent Bonds	lation						
6	Practice Related to Money and Capita Markets Intruments: -Treasury Bill -Commercial Paper -Repo Valuation	al						
7	Payments (Annuity) and Types of Pay Equally Consistent, Changing Consis Deferred Payments							
8	Case Study							
9	Payments (Annuity) and Types of Pay Expedite, Constinuous, Constinuous Deferred, Constinuous and Expedite Payments.							
10	Debt Payments							
11	Debt Payments							
12	Bond Valuation							
13	Stock Valuation							
Activit			Number	Duration (hour) Total Wo Load (ho				
Theore			r nans matematigi - nur Finans Matematiği - Em	nali Ayum Ne Ebru Aksoy	42.00			
Practic	als/Labs		0	0.00	0.00			
Self stu	dy and preperation		Mete Doğanay, Ekin Tol	56.00				
Homev	vorks		0	0.00	0.00			
Project	Assesment		0	0.00	0.00			
Field S	studies		0	0.00	0.00			
Midterr	m exams	R	1	26.00	26.00			
Others			0	0.00	0.00			
Pihizi e	xams	0	0.90	26.00	26.00			
Total V	Vork Load				176.00			
Fiotal F	ଐନ୍ଦିload/ 30 hr	1	60.00		5.00			
ECTS	Credit of the Course				5.00			
	oution of Term (Year) Learning Activitie ss Grade	es to	40.00					
Contrib	oution of Final Exam to Success Grade)	60.00					
Total			100.00					
Measu Course	rement and Evaluation Techniques Us	ed in the	Face to face / online written exam					
24	ECTS / WORK LOAD TABLE							
L								

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