

MATHEMATICS-I

1	Course Title:	MATHEMATICS-I
2	Course Code:	EKO1001
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	1
6	Semester:	1
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:	No
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. MUSTAFA AYTAÇ
15	Course Lecturers:	Prof. Dr. Erkan IŞIĞIÇOK Prof. Dr. Ayşe OĞUZLAR Prof. Dr. Nuran BAYRAM
16	Contact information of the Course Coordinator:	E-mail: aytac1@uludag.edu.tr Telefon: 224 29 41110 Adres: Uludağ Üniversitesi İktisadi ve İdari Bilimler Fakültesi, Ekonometri Bölümü, Görükle, Bursa
17	Website:	
18	Objective of the Course:	Along with teaching basic mathematical concepts and methods, the Department of Econometrics, mathematical methods and techniques of education is to give the students can apply to their fields.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Mathematics, thinking, reasoning, correctly, that a science based on perception and intuition for the students in a systematic way of thinking and application of multi-comparative-saves.
	2	Students to be able to grasp by looking at a problem from different angles and to develop a different solution alternatives.
	3	The subject of micro-and macro-level to be able to analyze problems
	4	Algebraic, exponential and radical expressions, recognize, compound interest and discounting practices to be able to.
	5	Identities, equations and inequalities recognizes. Use a simple level to be able to solve the problems encountered in daily life.
	6	Establishes the functions of selected variables and their relations to be able to.

		7	To be able to recognize and economic applications of linear functions.		
		8	Ability of firms breakeven point analysis		
		9			
		10			
21	Course Content:				
	Course Content:				
Week	Theoretical		Practice		
1	Review of Basic Mathematics Information				
2	Review of Basic Mathematics Information				
3	Identities Equations and Inequalities				
4	Identities Equations and Inequalities				
5	Set Theory				
6	Functions and Function Operations				
7	Linear Functions (MID-TERM EXAM)				
Activites			Number	Duration (hour)	Total Work Load (hour)
10	Theoretical Non-Linear Functions		14	3.00	42.00
Practicals/Labs			0	0.00	0.00
11	Sequences, Series and Limits		14	2.00	28.00
Self study and preperation					
Homeworks			0	0.00	0.00
Projects			0	0.00	0.00
Field Studies			0	0.00	0.00
Midterm exams			1	20.00	20.00
14	Derivative				
Others			2	18.00	36.00
Final Exams			1	25.00	25.00
22	Textbooks, References and/or Other		Mustafa Avtac, Mustafa Seviltekin, Erkan Sıdıçık, Sosval		
Total Work Load					171.00
Total work load/ 30 hr			George B. Thomas,JR., Matematik (tercume), Ayırım Yayınları, Ankara 1996		5.03
ECTS Credit of the Course					5.00
			Fak. Yayınları, İstanbul 1982 Aktan O-Kayım H, İktisatçılar İçin Matematik, Hacettepe Üniv. Yayınları, Ankara 1980 Ahmet Karadeniz, Yüksek Matematik, Çağlayan Kitabevi, İstanbul 1991 Bülent Kobu, İşletme Matematiği 1 ve 2, 4.ncü Baskı, Filiz Kitabevi İstanbul1986		
23	Assesment				
TERM LEARNING ACTIVITIES		NUMBE R	WEIGHT		
Midterm Exam		1	40.00		
Quiz		0	0.00		
Home work-project		0	0.00		
Final Exam		1	60.00		

Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade	40.00	
Contribution of Final Exam to Success Grade	60.00	
Total	100.00	
Measurement and Evaluation Techniques Used in the Course		
24	ECTS / WORK LOAD TABLE	

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	2	3	4	4	3	4	3	4	4	3	4	4	0	0	0	0
ÖK2	3	4	3	4	4	3	4	3	4	4	3	2	0	0	0	0
ÖK3	4	4	3	4	3	4	4	3	4	3	4	4	0	0	0	0
ÖK4	4	3	4	4	3	4	4	5	5	3	4	4	0	0	0	0
ÖK5	3	4	4	3	4	3	4	5	4	3	4	4	0	0	0	0
ÖK6	4	5	4	4	4	3	4	3	3	4	3	4	0	0	0	0
ÖK7	3	3	4	3	4	4	2	3	4	3	3	3	0	0	0	0
ÖK8	3	4	3	3	3	4	4	4	4	3	5	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							