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 (MİD-TERM EXAM)	
10	Non-Linear Functions	
11	Sequences, Series and Limits	
14	Derivative	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
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
Others	2	18.00	36.00
Final Exams	1	25.00	25.00
Total Work Load			171.00
Total work load/ 30 hr			5.03
ECTS Credit of the Course			5.00

22	Textbooks, References and/or Other	Mustafa Aytaç, Mustafa Sevüktekin, Erkan Şiğıcok, Sosyal George B. Thomas,JR., Matematik (tercume) Ayırım Yayınları, Ankara 1996 Fak. Yayınları, İstanbul1982 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	**NUMBER**	**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**				