MATHEMATICS

1	Course Title:	MATHEMATICS
2	Course Code:	EKO1004
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	1
6	Semester:	2
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:	Doç.Dr. KADİR YASİN ERYİĞİT
15	Course Lecturers:	Prof. Dr. Ahmet Öztürk, Doç Dr. Ayşe Oğuzlar, Doç Dr. Kadir Yasin Eryiğit
16	Contact information of the Course Coordinator:	ahmetozturk@uludag.edu.tr 02242941136 Uludağ Üniversitesi İktisadi ve İdari Bilimler Fakültesi A Blok 16059 Nilüfer/Bursa
17	Website:	
18	Objective of the Course:	The aim of this course is to give the students information about basic concepts of mathematics and to make them appropriate importance of mathematics and concept of analitical thinking.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

		1	The students are able to learn the basic concepts of mathematics
		2	The students are able to analyze micro and macro level of problems
		3	The students are able to gain the ability of analytical thinking
		4	The students are able to make economic applications of linear equations
		5	The students are able to make break-even analysis of firms
		6	The students are able to understand the basis of derivative
		7	The students are able to make economic applications of the derivative
		8	The students are able to understand the basis of integral
		9	
		10	

21	Course Content:	

Course Content:		
Week	**Theoretical**	**Practice**
1	Systems of linear equations	

2	Some applications of systems of equations	
3	Linear programming	
4	Linear programming applications	
5	Exponential and logarithmic functions	
6	Limits and continuity	
7	Derivatives and rules, midterm	
8	Derivatives of exponential and logarithmic functions	
9	The first derivative and the relative maximum and minimum points	
10	The second derivative and concavity	
11	Economic application of derivative	
12	Indefinite Integral	
13	Certain Integral	
14	Matrix	
22	Textbooks, References and/or Other Materials:	1. Ernest Haeussler ve Richard Paul, Çev. Ahmet Öztürk, Matematiksel Analize Giriş, Ekin Kitabevi, 1993. 2.Mustafa Aytaç, Mustafa Sevüktekin, Erkan Işığıçok, Sosyal Bilimlerde Matematik, Ezgi Kitabevi, Bursa, 2010.
23	Assesment	

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Homeworks, Performances	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**

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	4.00	56.00
Homeworks, Performances	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	15.00	15.00
Others	1	10.00	10.00
Final Exams	1	20.00	20.00
Total Work Load			158.00
Total work load/ 30 hr			4.77
ECTS Credit of the Course			5.00

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	5	5	4	5	4	5	5	5	0	0	0	0	0	0	0	0
ÖK2	5	5	5	5	5	4	4	5	0	0	0	0	0	0	0	0
ÖK3	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0
ÖK4	5	5	5	5	4	5	5	5	0	0	0	0	0	0	0	0
ÖK5	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0
ÖK6	5	5	5	5	5	5	5	4	0	0	0	0	0	0	0	0
ÖK7	5	4	5	4	5	5	5	5	0	0	0	0	0	0	0	0
ÖK8	5	5	5	5	4	5	5	5	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High			5 Very High						