MATHEMATICS-I										
1	Course Title:	MATHE	MATICS-I							
2	Course Code:	MAT1501								
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:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Prof. Dr. Hüseyin Ovalıoğlu								
15	Course Lecturers:	Doç. Dr. Hüseyin OVALIOĞLU								
16	Contact information of the Course Coordinator:	ovali@uludag.edu.tr E-mail: ovali@uludag.edu.tr İş Tel: 0 224 29 41 691 Adres: Bursa Uludağ Üniversitesi Fen Edebiyat Fakültesi Fizik Bölümü, 16059 Görükle Kampüsü BURSA								
17	Website:									
18	Objective of the Course:	To give basic mathematical knowledge to students, to use this information to solve business problems and to gain the ability to evaluate solutions.								
19	Contribution of the Course to Professional Development:	To give basic mathematical knowledge to students, to use this information to solve business problems and to gain the ability to evaluate solutions.								
20	Learning Outcomes:									
		1	To know basic mathematical concepts;							
		2	To understand the importance of mathematics for business;							
		3	To be able to define business problems with equations;							
		4	Being able to express mathematically concepts such as income, cost and profit;							
		5	To be able to make simple and compound interest calculations; To be able to make simple and compound interest calculations;							
		6	To be able to analyze the details of the mathematical model by methods such as limit and derivative;							
		7	To be able to synthesize the obtained data;							
		8	To be able to evaluate the results and established models;							
		9								
		10								
21	21 Course Content:									

	Course Content:									
Week	Theoretical		Practice							
1	Drawing linear equations, linear funct graphs	ions and								
2	Creating linear inequalities and graph	ns								
3	Cost, income and profit functions, bre point analysis	akeven								
4	Polynomial nonlinear functions									
5	Logarithm, exponential and logarithm functions	ic								
6	Operation applications of nonlinear fu	ınctions								
7	Arrays and series (Midterm exam)									
8	Interest calculations and applications									
9	Limit and continuity									
10	Definition of derivative, concept of rat change and rules of derivative	e of								
11										
12	Derivative and continuity, differential, indefinite shapes and L'hospital rule									
13	Increasing and decreasing functions, determination of extremum and turnir points, drawing curve	ng								
14	Maximum profit, minimum cost calcul	ations,								
Activit	es		Number	Duration (hour)	Total Work Load (hour)					
Theore	Materials:		Mathematics in Social S							
Practic	als/Labs		0	0.00	0.00					
Self stu	dy and preperation		Pragtices, Dora Publish Business Mathematics	ing ₀ Bursa, 2010. 3.	Bulent Kobu,					
Homew	vorks		0		0.00					
Project			Apalysis, Ekin Bookstor	e ₀ Выrsa, 1993	0 00					
Field S			0	0.00	0.00					
Midtern	n exams	R R	WEIGH I	20.00	20.00					
Others			0	0.00	0.00					
Qioiad E	xams	0	0.00	25.00	25.00					
Total V	Vork Load				177.00					
Fortal E	ھthoad/30 hr	1	60.00		5.23					
ECTS (Credit of the Course				5.00					
Contribution of Term (Year) Learning Activities to Success Grade			40.00							
Contrib	ution of Final Exam to Success Grade)	60.00							
Total			100.00							
			One midterm and one final exam will be held to understand how much the information about this course has been learned.							
24	4 ECTS / WORK LOAD TABLE									

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	4	4	4	4	4	3	3	3	3	5	5	5	0	0	0	0
ÖK2	5	5	5	5	3	3	3	3	4	4	4	4	0	0	0	0
ÖK3	4	3	5	4	4	3	4	5	3	5	3	4	0	0	0	0
ÖK4	5	3	5	3	5	4	5	4	3	4	5	3	0	0	0	0
ÖK5	5	3	4	5	3	4	5	3	5	5	3	3	0	0	0	0
ÖK6	3	5	4	5	3	4	5	3	5	5	3	3	0	0	0	0
ÖK7	4	5	3	4	5	3	4	3	5	4	4	4	0	0	0	0
ÖK8	5	3	4	5	4	4	5	3	3	3	3	5	0	0	0	0
			O: L	_earr	ning (Objec	tive	s P	Q: P	rogra	ım Qu	alifica	ations	;		
Contrib 1 very low ution Level:		2	2 low	ow 3 Me			ium 4 High				5 Very High					