BASIC MATHEMATICS I

1	Course Title:	BASIC MATHEMATICS I
2	Course Code:	GESZ101
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
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:	Öğr. Gör. HÜLYA BOZYOKUŞ
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının Görevlendirdiği Öğretim Elemanları
16	Contact information of the Course Coordinator:	hulya@uludag.edu.tr 0224 2942378 Uludağ Üniversitesi Teknik Bilimler MYO 16059 Nilüfer/BURSA
17	Website:	
18	Objective of the Course:	The student, for the profession to gain the necessary competence to apply mathematical knowledge and skills to work.
19	Contribution of the Course to Professional Development:	Undergraduate students will be provided with experience in basic mathematics subjects.
20	Learning Outcomes:	

		1	Introducing the course, rudiments
		2	The concept of number
		3	Arithmetic operations on integers and fractional numbers, decimal representation of fractional numbers
		4	Arithmetic operations on Exponentials and fundamental numbers
		5	Absolute value, full value, logarithm
		6	general meaning of algebraic expressions and equations, first-order equations and their solutions
		7	Ratio, proportion and mixing problems have simple solutions are transformed into equations
		8	Applies first order equations and related operations to the profession.
		9	Applies quadratic equations and related operations to the profession.
		10	Linear equation systems

21	Course Content:	

Course Content:	

Week	Theoretical	Practice
1	Introducing the course, rudiments	
2	The concept of number	

3	Arithmetic operations on integers and fractional numbers, decimal representation of fractional numbers	
4	Arithmetic operations on Exponentials and fundamental numbers	
5	Absolute value, full value, logarithm	
6	The general meaning of algebraic expressions and equations, first-order equations and their solutions	
7	Ratio and proportion	
8	mixing problems have simple solutions are transformed into equations	
9	Quadratic equations and their solutions	
10	Transformed into Quadratic equations	
11	The definition of inequality and Transactions related to inequality, the first order inequalities and it's applications	
12	Quadratic inequalities and its applications	
13	Linear equation systems and their applications to profession	
14	Linear inequality systems and applications to the profession	

22	Textbooks, References and/or Other Materials:	Basri Çelik (2012), Mesleki Matematik, Dora Yayınları Basri Çelik (2010), Temel Matematik, Dora Yayınları

Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	2.00	28.00
Midterm Exam	1	40.00		
Practicals/Labs		0	0.00	0.00
Self study and preperation		14	3.00	42.00
Home work-project	0	0.00		
Homeworks		0	0.00	0.00
Projects	2	100.00		
Total			0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		1	10.00	10.00
Success Grade				
Contribution of Final Exam to Success Grade		60.00		
Others		0	0.00	0.00
Final Exams		1	10.00	10.00
Total		100.00		
Total Work Load				90.00
Total work load/ 30 hr		the principles of Bursa Uludag University Associate and Undergraduate Education Regulation.		3.00
ECTS Credit of the Course				3.00

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	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0
ÖK4	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0

ÖK5	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
ÖK6	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0
ÖK7	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0
ÖK8	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
ÖK9	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
ÖK10	0	1	0	0	0	0	0	1	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