BASIC MATHEMATICS

1	Course Title:	BASIC MATHEMATICS	
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:	Öğr.Gör. Hülya BOZYOKUŞ ve Meslek Yüksekokullarının 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 on Professional Mathematics 1 subjects.	
20	Learning Outcomes:		
		1	Implements the operations related to numbers to her profession.
		2	apply algebraic operations to her profession.
		3	The operations related to first order equations implements to the profession.
		4	The operations related to second order equations inequalities implements to the profession.
		5	Applies the procedures related to first-order inequalities to her profession.
		6	Applies the operations related to the second-order inequalities to her profession.
		7	The operations related to systems of linear equations implements to the profession.
		8	The operations related to linear inequality systems implements to the profession.
		9	The operations related to geometry implements to the profession.
		10	The operations related to Matrices implements to the profession.
21	Course Content:		
	Course Content:		

Week	Theoretical	Practice
1	Introducing the course, set theory	
2	Integers, fractional numbers	
3	exponential numbers, rooted numbers, absolute value, complete value, logarithms	
4	algebraic expressions, first degree equations, ratio, proportion problems	
5	quadratic equations, inequalities	
6	linear equations	
7	linear inequality systems	
8	Angle, Triangle and the basic features	
9	Basic quadrangle types	
10	The circle and basic properties	
11	The basic properties of solids	
12	Basic	
13	Matrices	
14	Determinants, systems of linear equations in three variables	

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

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Quiz	0	0.00	
Practicals/Labs	0	0.00	0.00
Self study and preperation	11	2.00	22.00
Final Exam	1	60.00	
Homeworks	1	10.00	10.00
Projects	0	0.00	0.00
Contribution of Term (Year) Learning Activities to	40.00		
Field Studies	0	0.00	0.00
Midterm exams	1	12.00	12.00
Contribution of Final Exam to Success Grade	60.00		
Others	0	0.00	0.00
Final Exams	1	18.00	18.00
Measurement and Evaluation Techniques Used in the	127 / 5000		
Total Work Load			90.00
Total work load/ 30 hr	Measurement and evaluation are carried out according to the principles of Bursa Uludağ University Associate and		3.00
ECTS Credit of the Course			3.00

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

ÖK5	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
ÖK6	1	0	2	0	0	0	3	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	3	0	0	0	1	1	0	0	0	0	0	0
ÖK8	2	0	1	0	0	0	2	0	1	0	0	0	0	0	0	0
ÖK9	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
ÖK10	3	3	0	0	3	0	0	0	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**