BASIC MATHEMATICS

1	Course Title:	BASIC MATHEMATICS
2	Course Code:	OTPS115
3	Type of Course:	Optional
4	Level of Course:	Short Cycle
5	Year of Study:	2
6	Semester:	3
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 required.
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr. Gör. MEHMET SITKI ŞERBECİ
15	Course Lecturers:	Meslek Yüksekokulları yönetim kurullarının görevlendirdiği öğretim elemanları.
16	Contact information of the Course Coordinator:	Öğr. Gör. M.Sıtkı ŞERBECİ sito@uludag.edu.tr 90 224 613 3102 – 61555 Mustafakemalpaşa Meslek Yüksekokulu Mustafakemalpaşa / BURSA Mustafakemalpaşa/BURSA
17	Website:	
18	Objective of the Course:	To be able to provide the students with the competence to apply mathematical knowledge and skills required for their profession into their fields.
19	Contribution of the Course to Professional Development:	to be able to solve basic mathematical problems frequently encountered in business life and to gain the habit of reasoning values in numerical decisions.
20	Learning Outcomes:	
	1	To be able to recognize numerical sets
	2	To be able to perform operations related with numbers
	3	To be able to solve problems that include exponential and root statements
	4	To be able to make judgments by relating numbers with other subjects of mathematics
	5	To be able to perform algebraic operations
	6	To be able to perform polynomial operations
	7	To be able to use abbreviations in the operations
	8	To be able to solve equations
	9	
	10	
21	Course Content:	

Course Content:	
Week	Theoretical	Practice

1	The description of cardinal numbers, natural numbers, integer numbers, real numbers, rational and irrational numbers, their features and operations related with these numbers
2	The description of cardinal numbers, natural numbers, integer numbers, real numbers, rational and irrational numbers, their features and operations related with these numbers
3	Exponential and Root Quantities, related rules and operations
4	Exponential and Root Quantities, related rules and operations
5	Algebraic operations
6	Four operations related with polynomials
7	Identity Statements (square of the total of two terms, square of the difference of two terms, total of the squares of two terms, the difference of the squares of two terms)
8	Mid-Term and Course Review
9	Identity Statements (cube of the total of two terms, cube of the difference of two terms, total of the cubes of two terms, the difference of the cubes of two terms)
10	Factorization (By grouping, according to full square method)
11	Factorization (factorization of ax2+bx+c unknown)
14	Equations (quadratic equations with one ...
23	...

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	12	2.00	24.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	3	6.00	18.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

Midterm Exam	R	
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	Mesaurement and evaluation is carried out according to principles of Bursa Uludağ University Associate and Undergraduate Education Regulation.	

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	5	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
ÖK2	5	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
ÖK3	5	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
ÖK4	5	0	5	5	0	0	0	0	0	0	5	0	0	0	0	0
ÖK5	5	0	5	5	0	0	0	0	0	0	5	0	0	0	0	0
ÖK6	5	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
ÖK7	5	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
ÖK8	5	0	0	0	0	0	0	0	0	0	5	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		