AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Basic Mathematics I					
Course Code	MAT183		Couse Level	Short Cycle (Associate's Degree)		
ECTS Credit	4	Workload	106 *(Hours)*	Theory	2	Practice 0 Laboratory 0
Objectives of the Course	The aim of this course is to teach students the necessary information about the properties of numbers and mathematical background to create and gain the ability to approach problems in a rational way					
Course Content	Numbers, type of numbers, equations, inequality, absolute value, exponential numbers and root of numbers, ratio and proportion and problems of writing equation					
Work Placement	N/A					
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Discussion, Individual Study, Problem Solving			
Name of Lecturer(s)	Ins. Halil TEKATLI, Ins. Mustafa Seçkin AYDIN, Ins. Ümit NARİNCE					

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Yüksek Okulu ve Teknik Eğitim Fakülteleri İçin Temel Matematik , Prof. Dr. Mustafa Balcı
2	Temel Matematik I-II , Prof. Dr. Ahmet Kaçar

Week	Weekly Detailed Course Contents	
1	Theoretical	Numbers
2	Theoretical	System of Numbers
3	Theoretical	Division and Divisibility
4	Theoretical	Prime factorization, GCD, LCM
5	Theoretical	Rational Numbers
6	Theoretical	Decimal Numbers
7	Intermediate Exam	Midterm
8	Theoretical	1. Dereceden Denklemler
9	Theoretical	Basic Inequality
10	Theoretical	Absolute Value
11	Theoretical	Exponential Numbers
12	Theoretical	Root of Numbers
13	Theoretical	Factorizations
14	Theoretical	Ratio and Proportion
15	Theoretical	Problems of Ratio and Proportion
16	Theoretical	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	3	2	70
Midterm Examination	1	12	2	14
Final Examination	1	20	2	22
			Total Workload (Hours)	106
			[Total Workload (Hours) / 25*] = **ECTS**	4

25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To understand the definition and basic properties of numbers
2	To understand the type of numbers and characteristic of number operations

3	Exponential and root of a number
4	Factorization
5	To solve the problems of ratio and proportion

Programme Outcomes *(Fruit and Vegetables Processing Technology)*

1	To be able to understand social, cultural and social responsibilities and to have the ability to follow national and international contemporary
2	In line with the principles and reforms of Atatürk; Adopting the national, moral, spiritual and cultural values ??of the Turkish Nation, open to universal and contemporary developments, the Turkish language is a rich, rooted and productive language; love and awareness of language; to have the ability to use the foreign language sufficiently and with the habit of reading and professionally.
3	To know the basic hardware units and operating systems of computer, internet to be able to prepare documents, spreadsheets and presentations on the computer by using office programs
4	Gains the theoretical and practical knowledge at the basic level in mathematics, science and professional fields
5	Recognize and analyze the problems with the knowledge of fruit and vegetable technology in the field, interpret the data and propose solutions.
6	According to the prepared work plan and program in laboratories, it can carry out the necessary works to obtain the desired quality product.
7	To have professional and ethical responsibility in business life.
8	It is open to development and change, follows scientific social and cultural innovations and constantly improves itself.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P1	2	2	2	2	2
P2	2	2	2	2	2
P3	4	4	4	4	4
P4	5	5	5	5	5
P5	4	4	4	4	4
P6	2	2	2	2	2
P7	2	2	2	2	2
P8	3	3	3	3	3