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 *(Marketing)*

1	To be able to Utilize the theoretical information they have acquired in applications and practices
2	To be able to manage a process effectively to meet the demands
3	To be able to work in a group cooperatively, even if the work requires the involvement of team members from interdisciplines
4	To be able to Identıfy vocational problems and resolve them effectively
5	To be able to comply with occupational ethics and sense of responsibility
6	To be able to access and assess sectoral problems
7	To be able to be aware of legal regulations, and comply with them
8	To be able to develop the skill of effective Communicating
9	To be able to utilize communication and information technologies, as well as other technologies and equipment
10	To be able to plan and carry out vocational processes
11	To be able to display their vocational self-confidence at work place and develop the skill of having entrepreneurship personality
12	To be able comprehend, appreciate and comply with cultural and social responsibilities
13	To be able to develop an awareness for the need for life long learning
14	To be able to follow national and international contemporary issues
15	To be able to become sensitive to Atatürk's principles and reforms, the right to use the Turkish language, the official correspondence of the basic ability to have the ability and understanding related to the field of foreign terms