



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Basic Mathematics I							
Course Code		MAT183		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	106 (<i>Hours</i>)	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	60

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	Theoretical	1. Dereceden Denklemler
8	Theoretical	Basic Inequality (Midterm)
9	Theoretical	Absolute Value
10	Theoretical	Exponential Numbers
11	Theoretical	Root of Numbers
12	Theoretical	Factorizations
13	Theoretical	Ratio and Proportion
14	Theoretical	Problems of Ratio and Proportion

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



