



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Basic Mathematics I							
Course Code		MAT171		Course Level		First Cycle (Bachelor'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 isto 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. Nihal GÜNEL, Lec. Sibel KOÇER							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Basic Mathematics for High School and the Faculty of Technical Education , Prof. Dr. Mustafa Balci
2	Basic Mathematics 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	First degree Equation
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	Final Exam	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 (Turkish Language and Literature)

1	The students can combine acquisitions of Turkish Language and Literature program with information belonging to other disciplines,
2	Students can make the scientific study by himself, develop and implement new approaches to solving problems in the field.
3	The students have the background required for understanding historical texts of Turkish, follow recent studies about Turkish Language and Literature
4	Students use communication technologies as required by the Turkish Language and Literature program, share accumulation in the field with society.
5	The student evaluate theoretical and practical knowledge and skills with critical approach.

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	1	1	1		
P2				2	2

