AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Introduction to Mathematics I						
Course Code	MAT181		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 on their works and to gain the ability of using his/her knowledge						
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), Case Study, Individual Study, Problem Solving				
Name of Lecturer(s)	Ins. Ali BÜYÜKMERT, Ins. Cemal GÖVEN, Ins. Erhan KOCA, Ins. Gamze BAKIR GÜVEN, Ins. Gözde ÇETİN, Ins. Muhittin TURAN, Ins. Neslihan BİLİNMEZ, Lec. Durcan Özgün SARIOĞLU, Lec. Kübra GENÇDAĞ ŞENSOY, Lec. Selin YALÇIN						

Assessment Methods and Criteria

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

Recommended or Required Reading

1	MYO Öğrencileri İçin Temel Matematik, Prof. Dr. Mustafa BALCI
2	Akademi yayınları "KPSS genel yetenek ilkadım matematik"

Week	Weekly Detailed Course Contents	
1	Theoretical	Numbers
2	Theoretical	Systems of Numbers
3	Theoretical	Division and divisibility
4	Theoretical	Prime factorization, GCD, LCM
5	Theoretical	Rational Numbers
6	Theoretical	Decimal Numbers
7	Theoretical	First Degree Equations
8	Theoretical	Basic Inequalities
9	Intermediate Exam	MIDTERM EXAM
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	To understand and use of exponential and root of numbers
4	To solve the problems of ratio and proportion
5	To be able to gain the skill of interpreting some interrelations among these concepts

Programme Outcomes *(Local Authorities)*

1	Theoretical knowledge in the field of public administration and local governments to use in working life and lifelong learning to be conscious.
2	To have the ability to use the functions of local government, public administration to adapt to contemporary approaches
3	Problems encountered in professional practice to identify, analyze and propose solutions to have the ability to bring.
4	Professional legal regulations to be equipped, and keep track of changes, use the.
5	Local and collective needs, expectations, and to have knowledge about efficient service delivery.
6	urkish political life, political orientations, political power, political culture and to have competence in matters of contemporary political ideologies.
7	Understanding of contemporary urbanism, urban planning, urban land management, housing and environmental issues and policies to be competent.
8	Decentralization, local democracy and civil society to gain competence on a case.
9	Having the necessary values in the field of professional ethics; written-verbal communication and correspondence with the field of information-communication technologies and be able to use.
10	Land use plans, zoning laws and regulations to have knowledge of subjects covered.
11	The process of globalization and the country's internal dynamics, to analyze the process of democratization.
12	The Constitution, fundamental rights and freedoms, civil servants, law and public law legislation have sufficient knowledge about professional ethics.

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	3	3	3	3	3
P2	3	3	3	3	3
P3	3	3	3	3	3