



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Introduction to Mathematics II							
Course Code		MAT182		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 on their works and to gain the ability of using his/her knowledge							
Course Content		Sets, functions, first and second order equations, parabols, trigonometry, complex numbers, logarithm, matrices and their applications in profession.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)		Ins. Gamze BAKIR GÜVEN, Ins. Muhittin TURAN, Ins. Neslihan BİLİNMEZ, Lec. Kübra GENÇDAĞ ŞENSOY							

### 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	Sets
2	Theoretical	Functions
3	Theoretical	Functions
4	Theoretical	First and second order equations
5	Theoretical	Birinci ve ikinci dereceden denklemler
6	Theoretical	Parabola
7	Theoretical	Trigonometric Functions
8	Theoretical	Trigonometric Functions
9	Theoretical	MIDTERM EXAM
10	Theoretical	Complex Numbers
11	Theoretical	Complex Numbers
12	Theoretical	Logarithm
13	Theoretical	Logarithm
14	Theoretical	Matrices
15	Theoretical	Matrices
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 write equations and to gain the ability of solving problems
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2	To gain the information on the background of complex number
3	To gain the fundamental information about trigonometry
4	To gain the fundamental information about logarithm
5	To understand the concept of matrix and to use them

**Programme Outcomes (Garment Manufacturing Technology)**

1	To be able to use theoretical and practical knowledge related to Garment Manufacturing Technology
2	To carry out brand management, marketing and promotional activities related to Garment Manufacturing Technology
3	Having the skills of data collection, research report preparation and presentation for the research, preparing the project
4	Being able to plan the processes / processes related to Garment Manufacturing Technology to meet the expectations of the sector, to be able to make business organization, production plan and control, prepare working instructions
5	To be able to determine textile raw materials and surface properties, to choose garment auxiliary materials, to be able to control materials
6	To be able to carry out steps of pattern preparation, grading, pattern layout preparation
7	To be able to use necessary equipments and machines for applications related to Garment Manufacturing Technology and to make adjustments and maintenance
8	To be able to use computer aided pattern and design programs, production applications in Garment Manufacturing Technology
9	Having the ability to manage and organize business by creating the idea of establishing a business in the field
10	To be able to create a model by applying technical drawings of clothing and basic arts education
11	To be able to realize basic sewing techniques, production stages of women's, men's and children's wear

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

	L1
P4	3
P6	3
P9	3

