AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Introduction to Mathematics II								
Course Code	MAT182		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	Sets, functions, first and second order equations, parabols, trigonometry, complex nımbers, 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

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 *(Textile Technology)*	
1	Distinguishing textile fibers
2	Obtaining a sample thread
3	Obtaining a sample woven fabric
4	Obtaining a knitted fabric (Jersey)
5	Carring out overall discipline operations
6	Garment-making operations
7	Obtaining cotton thread
8	Obtaining cotton thread
9	Obtaining cotton thread
10	Obtaining wool thread
11	Obtaining filament thread
12	Obtaining staple thread
13	Obtaining fancy thread
14	Obtaining thread by means of new apining techniques
15	Performing fibre tests
16	Performing thread tests
17	Implementing Quality Assurance System
18	Making statistical calculations
19	Making projects
20	Practicing in a spinning mill

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				
P2	1				
P3	1				
P4	1				
P5	1	1			1
P6	1				
P7	1				1
P8	1				1
P9	1				1
P10	1				1
P11	1				
P12	1				
P13	1				
P14	1				
P15	1	1	1	1	1
P16	1	1	1	1	1
P17	1	1	1	1	1
P18	1	1	1	1	1
P19	2	2	2	2	2
P20	1	1	1	1	1