AYDIN ADNAN MENDERES UNIVERSITY
AYDIN VOCATIONAL SCHOOL
PROPERTY PROTECTION AND SECURITY
PRIVATE SECURITY AND PROTECTION
COURSE INFORMATION FORM

Course Title	Applications of Mathematics								
Course Code	MKE190		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Mathematical competence, application of thinking patterns (logical and spatial thinking) and presentation (formulas, models, structures, graphs, diagrams) are aimed to develop skills.								
Course Content	Numbers, Algebra, Problems, Logical Ability, Geometry								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Problem Solving								
Name of Lecturer(s)	Lec. Murat ÜNVERDİ								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	70

Recommended or Required Reading	
1	Applications of Mathematics Lecture Notes

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic Concepts (Numbers), Rational Numbers and Decimal Fractions, Number Systems and Step Concept
2	Theoretical	Prime Factors and Exact Divisor Number, Divide and Divide Rules
3	Theoretical	Factorial, Obeb and Okek
4	Theoretical	Equation Solving
5	Theoretical	Simple Inequalities and Sorting, Absolute Value
6	Theoretical	Exponential Numbers, Square Root Numbers, Factorization and Identities
7	Theoretical	Ratio Proportion
8	Theoretical	Number, Fraction, Page, Hour, Age, Percentage, Profit and Loss, Interest, Mixture, Speed and Movement, Worker and Pool Problems
9	Intermediate Exam	Mid-term Exam
10	Theoretical	Sets, Functions
11	Theoretical	Modular Arithmetic
12	Theoretical	Permutation, Combination, Possibility
13	Theoretical	Digital Logic
14	Theoretical	Geometric Concepts, Line Angles, Polygons and Rectangles
15	Theoretical	Circle, Analytical Geometry, Solid Bodies
16	Final Exam	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	14	0	1	14
Midterm Examination	1	3	1	4
Final Examination	1	3	1	4
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Learn the theory and applications of numbers.

2	Learn the theory and applications of algebra.
3	Learn the theory and applications of problems.
4	Learn the theory and applications of logical ability.
5	Learn the theory and applications of geometry.

Programme Outcomes *(Private Security and Protection)*	
1	Know the powers of private security
2	Know defense and attack techniques
3	To understand the security measures
4	Establishing Organizational Communication
5	To apply the basic principles of first aid
6	To be able to make threat assessment and risk managemen
7	Learn what the body language is and what needs to be considered to ensure effective communication.
8	Weapon information
9	Knows Environmental Health Management in Disasters
10	Knows the elements of crime
11	Prepare a security plan
12	To have necessary knowledge in the field of criminology
13	To be able to determine employee and employer relations
14	To have information about the types of terrorist attacks and the signs of the attacks
15	Evaluate new approaches in security studies
16	Show effective interventions in social activities
17	Search and rescue in case of emergency, conducting emergency studies, can manage the organization
18	Explain the basic elements of health and the factors affecting it.
19	Know the basic principles of survival

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

	L1
P1	1
P2	1
P3	1
P4	1
P5	1
P6	1
P7	1
P8	1
P9	1
P10	1
P11	1
P12	1
P13	1
P14	1
P15	1
P16	1
P17	1
P18	1
P19	1