# 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** *(Logistics)* | |
|---|---|
| 1 | Understanding of the basics needed for the mobility of production and consumption of goods. |
| 2 | Provide warehouse and inventory management decisions. |
| 3 | To decide on the mode of transport and handling equipment to be used. |
| 4 | Logistics information systems benefit from the process of the realization of the activities. |
| 5 | To dominate the national and international legislation regulating the field of logistics. |
| 6 | Administration, management and marketing ideas and conducting. |
| 7 | Sensitivity to the requirements of professional ethics move |
| 8 | Idea about the conduct of national and international transport policies. |
| 9 | Having written and oral communication skills. |
| 10 | Current society and understand the world. |

**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 |
| P6 | 3 | 3 | 3 | 3 | 3 |
| P10 | 3 | 3 | 3 | 3 | 3 |