# AYDIN ADNAN MENDERES UNIVERSITY
# COURSE INFORMATION FORM

| Course Title | | Mobile Cominacation Equipments | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Course Code | | ETO186 | | Couse Level | | Short Cycle (Associate's Degree) | | |
| ECTS Credit | 2 | Workload | 50 *(Hours)* | Theory | 2 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | | In this course, it is aimed to gain basic competencies for the use of mobile phones, smart phones, navigation devices, satellite phones and similar mobile communication devices. | | | | | | |
| Course Content | | Mobile and communication concepts, Wireless networks, Mobile phones, Smartphones, Navigation devices, Satellite phones, Wireless home phones. | | | | | | |
| Work Placement | | N/A | | | | | | |
| Planned Learning Activities and Teaching Methods | | | Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study, Individual Study | | | | | |
| Name of Lecturer(s) | | Ins. Ebubekir AKKUŞ | | | | | | |

## Assessment Methods and Criteria

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

## Recommended or Required Reading

| | |
|---|---|
| 1 | Course notes |
| 2 | Mobil & Wap Communication Technologies, Ömer ERTEKİN, Hayat Publications, ISBN: 9789756700051. |
| 3 | Structure of Mobile Communication Technologies and Encryption Algorithms Used, Fatma AKGÜN, Pegem Publications, ISBN: 9786257052948. |

| Week | Weekly Detailed Course Contents | |
|---|---|---|
| 1 | Theoretical | Mobile, Communication and Mobile Communication Concepts |
| 2 | Theoretical | Wireless Networks and Genres |
| 3 | Theoretical | Mobile phones |
| 4 | Theoretical | Mobile phones |
| 5 | Theoretical | Smart phones |
| 6 | Theoretical | Smart phones |
| 7 | Theoretical | Smart phones |
| 8 | Theoretical | Smart phones |
| 9 | Theoretical | Midterm |
| 10 | Theoretical | Smart phones |
| 11 | Theoretical | Smart phones |
| 12 | Theoretical | Navigation Devices |
| 13 | Theoretical | Navigation Devices |
| 14 | Theoretical | Satellite Phones |
| 15 | Theoretical | Satellite Phones |
| 16 | Final Exam | Semester final exam |

## Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|---|---|---|---|---|
| Lecture - Theory | 14 | 0 | 2 | 28 |
| Assignment | 5 | 0 | 2 | 10 |
| Midterm Examination | 1 | 5 | 1 | 6 |
| Final Examination | 1 | 5 | 1 | 6 |
| | | | Total Workload (Hours) | 50 |
| | | | [Total Workload (Hours) / 25*] = **ECTS** | 2 |
| *25 hour workload is accepted as 1 ECTS* | | | | |

**Learning Outcomes**

| | |
|---|---|
| 1 | Understanding mobile and communication concepts |
| 2 | Understand the concept and types of wireless networks |
| 3 | To use mobile phones |
| 4 | Be able to use smartphones |
| 5 | To use navigation devices |
| 6 | Be able to use satellite phones |
| 7 | Using wireless home phones |

**Programme Outcomes** *(Automotive Technology)*

| | |
|---|---|
| 1 | To be able to interpret and evaluate data, identify problems, analyze them, and develop evidence-based solutions by using basic knowledge and skills in the field. |
| 2 | Must be able to choose and effectively use the modern techniques, tools and information technologies necessary for field related applications. |
| 3 | Must be able to gain practical skills by examining relevant processes in industry and service sector on site. |
| 4 | They must be able to produce solutions, take responsibility for teams or do individual work when they encounter situations unforeseen in the field related applications. |
| 5 | Awareness of the need for lifelong learning; it must be able to follow the developments in science and technology and to constantly renew itself. |
| 6 | Must be able to use computer software and hardware at the basic level required by the field |
| 7 | Must have job security, worker health, environmental protection knowledge and quality awareness. |
| 8 | He must possess a level of foreign language knowledge that is capable of following the innovations in his area of expertise and communication techniques. |
| 9 | Must be able to acquire basic theoretical and practical knowledge about the field in mathematics, science and basic engineering. |
| 10 | It should have the ability to plan the processes / processes of the Automotive Program to meet the expectations of the sector. |
| 11 | To be able to design the systems and components related to the field by using technical drawing, computer aided drawing, designing using simulation programs and using various softwares, to be able to make basic sizing calculations, to be able to master professional plans and projects. |

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

| | L1 | L2 | L3 | L4 | L5 | L6 | L7 |
|---|---|---|---|---|---|---|---|
| P8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |