



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Comfort Systems							
Course Code		OTT253		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	5	Workload	125 ( <i>Hours</i> )	Theory	3	Practice	1	Laboratory	0
Objectives of the Course		In this course, it is aimed to make maintenance and repair of safety and comfort systems							
Course Content		Theoretical and practical knowledge and skills necessary for all kinds of central safety and comfort systems on the vehicle (control, maintenance and adjustment) are given.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Case Study					
Name of Lecturer(s)									

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Megep Lecture Notes
2	<a href="http://www.obitet.gazi.edu.tr">www.obitet.gazi.edu.tr</a> ( <a href="http://www.obitet.gazi.edu.tr">www.obitet.gazi.edu.tr</a> is)
3	Erdoğan PİRELİ Comfort Systems Lecture Notes

Week	Weekly Detailed Course Contents	
1	Theoretical	Central Locking Systems
2	Theoretical	Central Lock Motors
3	Theoretical	Airbags
4	Theoretical	Seat belts
5	Theoretical	Power Seats
6	Theoretical	Control Buttons
7	Theoretical	Heated Glasses
8	Theoretical	Tracking Distance System
9	Intermediate Exam	Midterm
10	Theoretical	Automatic Door Glass Control Systems
11	Theoretical	Automatic Door Glass Control Systems
12	Theoretical	Display Systems
13	Theoretical	Display Systems
14	Theoretical	Fuel Cutting System
15	Theoretical	immobilizer
16	Final Exam	Semester final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Lecture - Practice	14	0	2	28
Assignment	9	0	2	18
Studio Work	2	3	3	12
Reading	1	6	7	13
Midterm Examination	1	5	1	6



Final Examination	1	5	1	6
Total Workload (Hours)				125
[Total Workload (Hours) / 25*] = <b>ECTS</b>				5
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Student will be able to perform maintenance and repair of safety and comfort systems.
2	student will be able to do sunroof maintenance and repair
3	Students will be able to comprehend the logic of operation of intelligent headlight systems, maintenance and repairs.
4	Student will be able to comprehend the operation logic of automatic parking system, maintenance and repairs.
5	Students will be able to understand the operation logic of power steering system, maintenance and repairs.

### 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
P1	5
P2	5
P3	4
P4	1
P5	1
P7	3
P8	1
P10	5

