



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Computer Aided Drawing							
Course Code		OTT106		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		With this course, students; Makes computer-aided three-dimensional drawing.							
Course Content		File operations on computer, Editing drawing screen, Image commands, Units, Coordinate systems, drawing settings and drawing commands, drawing auxiliary commands, isometric perspective, drawing Editing commands, Layers, Dimension, Adding block and external drawing, Drawing drawing, Output receive.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Individual Study					
Name of Lecturer(s)		Ins. Mehmet TEMEL							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	SolidWORKS Textbook
---	---------------------

Week	Weekly Detailed Course Contents	
1	Theoretical	To make file operations on computer
2	Theoretical	Editing the drawing screen
3	Theoretical	Using image commands and setting the volume
4	Theoretical	Using coordinate system, drawing settings and drawing commands
5	Theoretical	Using drawing commands
6	Theoretical	Using drawing help commands
7	Theoretical	Make isometric drawing
8	Theoretical	Using drawing editing and editing commands
9	Intermediate Exam	MIDTERM
10	Theoretical	Using solid make commands
11	Theoretical	Using dimensioning commands
12	Theoretical	Assembling rigidly formed parts in the assembly area
13	Theoretical	Mastery of assembly commands
14	Theoretical	appearance creation
15	Theoretical	sectioning, detailing and printing
16	Final Exam	SEMESTER FINAL EXAM

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Term Project	1	0	7	7
Midterm Examination	1	5	1	6



Final Examination	1	5	1	6
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Edit filing and appearance settings.
2	Understand unit and coordinate systems
3	Learn and apply drawing and editing commands.
4	Arrangement of technical drawings.
5	Computer aided three-dimensional technical drawing

### 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
P1	5	4	4	4	4
P2	5	4	4	4	4
P3	5	5	4	5	2
P4	4	4	3	4	3
P5	4	5	3	5	4
P6	5	5	5	4	2
P7	4	5	4	2	3
P8	5	4	5	3	4
P9	4	5	4	2	3
P10	5	3	5	3	4
P11	4	4	4	2	4

