



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Computer Assisted Design							
Course Code		AET106		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	99 (Hours)	Theory	1	Practice	1	Laboratory	0
Objectives of the Course		With this course it is aimed to equip students with competencies of computer assisted two dimensional and three dimensional drawings.							
Course Content		Entering Initial drawing settings, drawing commands/coordinates, geometric shapes, entering editing commands, drawing installment parts, changing layer features, changing item features, calibrating drawings, adding writings to the drawings, changing user coordination system, adjusting screen parts, making isometric drawing, modeling surface, concrete modeling.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Individual Study					
Name of Lecturer(s)		Lec. Ahmet Cumhur ÖZTÜRK, Lec. Erman AYDIN							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Fundamentals of Computer Aided Design and Applications-Sait M. Say, Mustafa Şehri
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Week	Weekly Detailed Course Contents	
1	Theoretical	Entering Initial drawing settings
2	Theoretical	drawing commands/coordinates
3	Theoretical	geometric shapes
4	Theoretical	entering editing commands
5	Theoretical	drawing installment parts
6	Theoretical	changing layer features
7	Theoretical	changing item features
8	Theoretical	calibrating drawings
9	Theoretical	adding writings to the drawings
10	Theoretical	changing user coordination system
11	Theoretical	adjusting screen parts
12	Theoretical	making isometric drawing
13	Theoretical	modeling surface
14	Theoretical	concrete modeling.

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Lecture - Practice	14	0	1	14
Assignment	7	3	0	21
Term Project	1	14	0	14
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
Total Workload (Hours)				99
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Making computer assisted drawing
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2	Editing drawing
3	Editing layer and item features
4	Adjusting coordination system and screen view
5	Making three dimensional drawing

Programme Outcomes (Automotive Technology)

1	Using the basic knowledge and skills acquired in his/her field of study, to have the ability to evaluate and interpret the data, to define and analyze the problems, to make solution suggestions based on evidence and proofs.
2	To choose and use efficiently contemporary techniques and means as well as information technologies required for the applications related to the field of study.
3	The ability to apply the processes related to industrial and service sector by examining.
4	To gain the ability to produce solutions to unforeseen situations, take responsibility in teams and to have the skill to conduct individual works.
5	To achieve an awareness of the necessity of lifelong learning and consistently self-improving besides of following the developments in science and technology.
6	To become skillful at using computer hardware and software in a baseline level required by the field of study.
7	To be aware of Business Law, Job Security, environmental protection and quality concepts.
8	To have a command of communication skills and foreign language in order to communicate efficiently and follow the latest developments in his/her field of study.
9	Acquiring enough conceptual and applied knowledge in Mathematics, Science and Basic Engineering issues related to his/her field.
10	To plan the processes in automotive technology field to meet the expectations of the sector.
11	To become skillful at making designs by means of technical and computer-aided drawings and simulation programs, and by using various software programs to be able to choose systems and components required in by the field apart from making the basic sizing computations and drawing the architectural and static projects and details.
12	Ability to use the methods and techniques of career planning and discussing the effects of character traits on career preferences.
13	To provide them with knowledge about substance use and addiction problem and prevention methods.

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

