AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Analysis System and Design								
Course Code	OTE207		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit	5	Workload	125 *(Hours)*	Theory	3	Practice	1	Laboratory	0
Objectives of the Course	This course, and aims to provide knowledge and skills to practice implementation project design, implementation.								
Course Content	Choose the subject of study, results of research to present information, the system functions and variables, select the necessary materials, the necessary materials to select the System Flow Chart, the system to do the calculations, re-evaluation of the available data, the system is chosen to define mechanisms, the project is designed determining manufacturing methods, Design elements of the system or the Mechanisms of the System / Setup to make the product, system / Product Testing, system / outputs as a report to present the product.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Project Based Study, Individual Study								
Name of Lecturer(s)	Lec. Erman AYDIN								

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Research Methods and Techniques

Week	Weekly Detailed Course Contents	
1	Theoretical	Choose the subject of study
2	Theoretical	Results of research to present information
3	Theoretical	System functions and variables
4	Theoretical	Choose Supplies Needed
5	Theoretical	Choose Supplies Needed
6	Theoretical	System Flow Chart
7	Theoretical	System to make the calculations
8	Theoretical	Evaluate available data again
9	Theoretical	Mechanisms selected to define the system
10	Theoretical	Identify the project is designed Manufacturing Methods
11	Theoretical	Design elements of the system or the Mechanisms
12	Theoretical	System / Product Setup to make
13	Theoretical	System / Product Testing
14	Theoretical	System / Product outputs as a report to present
15	Theoretical	System / Product outputs as a report to present

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	15	0	3	45
Lecture - Practice	15	0	1	15
Project	1	0	56	56
Report	1	0	7	7
Midterm Examination	1	0	1	1

Final Examination	1	0	1	1
			Total Workload (Hours)	125
			[Total Workload (Hours) / 25*] = **ECTS**	5
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	determine the scope of System / product objectives
2	do thorough research on the subject System / product
3	to make software System / product for the calculation
4	to perform System / product
5	to provide output for System / product

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