



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Research Methods and Techniques							
Course Code		OTE152		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		In this course,it is aimed to gain research competency.							
Course Content		Selecting research topics, Welding research, making the evaluation results of the research, the research results into a report conversion, preparation for the presentation, to present							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case 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	Bilimsel Araştırma Yöntemi – Prof Dr. Niyazi KARASAR
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Week	Weekly Detailed Course Contents	
1	Theoretical	Select the Research Topics
2	Theoretical	Select the Research Topics
3	Theoretical	Select the Research Topics
4	Theoretical	Making Resource Research
5	Theoretical	Making Resource Research
6	Theoretical	Making Resource Research
7	Theoretical	Evaluate Research Results
8	Theoretical	Evaluate Research Results
9	Theoretical	Evaluate Research Results
10	Theoretical	Conversion of research results into a report
11	Theoretical	Conversion of research results into a report
12	Theoretical	Making Preparation for Presentation Foundation
13	Theoretical	Making Preparation for Presentation Foundation
14	Theoretical	Making the presentation
15	Theoretical	Making the presentation

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	15	0	2	30
Project	15	0	2	30
Report	5	0	1	5
Individual Work	1	0	8	8
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	Research
2	Prepare a research report



3	Present a research
4	Proper technique, to make preparation for presentation
5	Conversion technique in accordance with the results of the research report

**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	3	3		3	4
P2	3	3	4	5	5
P3	3	2		3	
P4	1	3	2	4	3
P5	4			2	2
P6	4		5	5	5
P7		1			
P8	2	1	1	2	1
P9			1	3	
P11		2	3	4	3

