



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Innroduction to Automotive Information							
Course Code		OTT182		Couese Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 ( <i>Hours</i> )	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		In this lesson the student is aimed to have basic knowledge about the automotive sector by transferring the theoretical knowledge of the student, the working principle of all the evenings on the motor vehicle, the preliminary order of the car, the tire, the power transmission system and other auxiliary equipment in general.							
Course Content		Engine Terminals, Two and Four Timed Motor Cycles, Otto Cycles, Diesel Cycles, Measuring and Control in Engines, Valves, Cover and Roller Cover, Valve Mechanisms, Piston Actuator Mechanics, Segments, Crankshaft and Camshafts, Engine Blocks, Lubrication System, Cooling System, Fuel System, Motion Control Systems, Power Transmission Organs, Automobile Manufacturing Technology, Vehicle Purchase Considerations							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
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 Motor Technology 1
2	Megep Motor Technology 2
3	Megep Motor Technology 3
4	Megep Motor Technology 4

Week	Weekly Detailed Course Contents	
1	Theoretical	Engine terms
2	Theoretical	Two and Four Stroke Motor Cycles, Otto Cycle, Diesel Cycle of
3	Theoretical	Valves, Senter and Cylinder Head, valve mechanisms, piston connecting rod mechanism, Piston Rings, crankshaft and camshafts
4	Theoretical	Time Setting Mechanism, Variable Valve Timing
5	Theoretical	Lubricating System, Cooling System
6	Theoretical	Fuel System
7	Theoretical	Motion Control Systems
8	Theoretical	Motion Control Systems
9	Intermediate Exam	Midterm
10	Theoretical	Tire Selection and Care
11	Theoretical	Automobile Manufacturing Technology
12	Theoretical	Automobile Manufacturing Technology
13	Theoretical	New Developments in Automotive
14	Theoretical	Car Buying tips What to pay attention
15	Theoretical	Car Buying tips What to pay attention
16	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	10	0	1	10
Midterm Examination	1	5	1	6



Final Examination	1	5	1	6
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	They will learn motor cycles, diesel and otto cycles theoretically.
2	They will know the parts of a motor and what it does.
3	The motorda will theoretically acquire the characteristics of auxiliary equipment and motion control systems.
4	They will know what to watch out for when buying a car.
5	Students will have knowledge about automobile manufacturing technologies.

### Programme Outcomes (Business Administration Management)

1	To be able to use the theoretical knowledge in business management in working life
2	Having the ability to use the management functions of the business and following new management techniques
3	To be able to fulfill the legal responsibilities of the operator, to have the knowledge and equipment to follow and implement the relevant legislation
4	To be able to use the information and communication technologies at the level required by the field, to adapt the new technologies to the operating systems by following the technological changes
5	To identify, analyze and bring solutions to problems encountered in professional practice
6	Managing business financing; bringing a solution to the financial problems by making the financial analysis of the business
7	Gaining the ability to manage the business by ensuring that the human resources operate and develop efficiently in line with business objectives
8	To be able to comprehend the basic functions of production and marketing as a whole and to be able to apply new production and marketing techniques
9	To be able to perform cost calculations in enterprises, to hold accounting records, to prepare financial statements and to be able to interpret
10	Having professional ethical values ??sought in the qualified personnel required by the market, and able to use Turkish language effectively in written and oral communication; To be able to have professional foreign language knowledge that can make international correspondences related to the field
11	Having analytical analysis, interpretation, evaluation and solution skills of field related information
12	To be able to follow and apply current and economic developments in national and international framework related to his / her profession

### Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1
P1	1

