



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Innroduction to Automotive Information							
Course Code		OTT182		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	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.

