



Engineering Program

Specialization	Automobile Maintenance
Course Number	20211262
Course Title	Automotive troubleshooting and maintenance workshop
Credit Hours	2
Theoretical Hours	0
Practical Hours	6





Brief Course Description:

- Equipments and devices for automotive diagnosis. Practice on maintenance and record schedule. Practice on 5 steps troubleshooting plane. Practice on retrieve trouble codes by using flash codes. Practice on retrieve trouble codes by using scan tools.

Course Objectives:

Upon the completion of this course, the student will be able to:

1. Demonstrate maintenance and record schedule.
2. Demonstrate 5 steps troubleshooting plane.
3. Demonstrate retrieve trouble codes by using flash codes or scan tool.



Detailed Course Outline:

Unit Number	Unit Title	Unit Content	Time Needed(hr)
1.	Practice 1	Practice on maintenance and record schedule.	15
2.	Practice 2	Practice on Automotive troubles diagnosis tools.	15
3.	Practice 3	Practice on 5 steps. Troubleshooting plane.	15
4.	Practice 4	Practice on symptoms chart and troubleshooting matrix.	15
5.	Practice 5	Practice on retrieve trouble codes by using flash codes.	15
6.	Practice 6	Practice on retrieve trouble codes by using scan tools.	15
7.	Practice 7	Practice on troubleshooting tools and equipments.	15

Evaluation Strategies:

Exams		Percentage	Date
Exams	First Exam	20%	
	Second Exam	20%	
	Final Exam	50%	
	Assignment	10%	

Teaching Methodology:

- ❖ Workshop

References & Text Book

1. Instructional Workshop sheets.

