**C A R C A R E - S Y L L U B U S**

**Instructor:** Mr. Casper **Classes that may enroll:** 10-11-12 **Room**: 123 **Credits:** 0.5

**Book:** Modern Automobile Technology **Prerequisites:** None  **Course #:** 08710

**Contact Information:**

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**Course Description:**This, very basic, course will inform students about common automotive maintenance techniques. Students will be able to identify basic car parts, complete routine automotive maintenance, and diagnose basic automotive problems. The purpose of this course is to help students know what to look for when purchasing a vehicle, purchasing vehicle insurance, and preventing them from being overcharged by a repair shop.

*This class will fulfill the prerequisite for Auto/Transportation Tech. beginning the 2016-17 school year.*

**Grading Scale:**

* 1. = A

89-80 = B

79-70 = C

69-60 = D

0-59 = F

**Gradebook:**

60% Labs

10% Assessments

10% Quiz

20% Participation
*Final Exam 20%*

**Assessments:**

* See “Lab Activity” sheet for a list of assignments.
* Students are encouraged to complete homework assignments outside of class to maximize lab time
* Drop Box: Place all assignments, quizzes, and tests in the dropbox above the folder.
* Cheating/Plagiarism: Cheating or plagiarism will result in a 0% for the assignment/task.

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**Missing/Late Work:**

* It is the student’s responsibility to acquire assignments when absent.
* Students are granted 1 day per excused absence. Late work = 10% deduction
* Late work will not be accepted during the last week of each quarter.

**Topics & Activities:**

Housekeeping, Buy Sell Own, Tool Identification, Automobile & Shop Safety, Preventative Maintenance, Fasteners & Gaskets, Lubrication Systems, Cooling Systems, Brake Systems, Tires, Suspension, Steering, Fuel Systems, Starting & Charging, Ignition Systems, Diagnostics, Electrical Systems, Transmissions & Drivetrain Systems, Lab Activities – Second & Fourth Quarter

**2017-18 CAR CARE LAB ACTIVITIES**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **System** | **Lab (60%)** **“C”** | **Points** | **Homework (10%)****“B”** | **Quiz (10%)** **“A”**  |
| **Routine Maintenance**  | Wash & WaxInterior Detail Wiper Blade R&R Cabin Filter R&R Fluid Level Check PCV/CCV R&R Serpentine Belt R&R  | \_\_\_/ 1\_\_\_/ 1\_\_\_/ 1\_\_\_/ 2\_\_\_/ 2\_\_\_/ 3\_\_\_ /3  | HSW: Winterizing Your Car \_\_\_/14 | Chapter 10 Review & ASE \_\_\_/20 |
| **Lubrication**  | Grease Job Oil & Filter Change Differential Fluid Service Trans Drain & Fill / Filter R&R  | \_\_\_/ 1\_\_\_/ 3\_\_\_/ 4\_\_\_/ 5  | Valvoline Oil DVD Worksheet \_\_\_/10 | Oil & Lubrication Quiz \_\_\_/19 |
| **Tires, Suspension, Steering**  | Tread Depth & Pressure Check All Wheel Stud R&R Power Steering Bleed Tire Repair (Plug or Patch) Valve Stem R&R Jack in Trunk Tire Rotation Tire Mount & Balance  | \_\_\_/ 1 \_\_\_/ 1\_\_\_/ 1\_\_\_/ 1\_\_\_/ 2\_\_\_/ 3\_\_\_/ 3\_\_\_/ 3  | HSW: Tires, Steering, Suspension\_\_\_/42  | Tires Steering Suspension Quiz\_\_\_/65 |
| **Electrical**  | Dome Light R&R Relay R&R / Swap Fuse testing Trailer Light Testing Headlight Bulb R&RTaillight Bulb R&R MIL & ABS Scan  | \_\_\_/ 1\_\_\_/ 1\_\_\_/ 1 \_\_\_/ 1\_\_\_/ 2\_\_\_/ 2\_\_\_/ 3  | Wire Aftermarket Car Stereo \_\_\_\_/20 | Chapter 8 Review \_\_\_/20 |
| **Starting & Charging**  | Battery Charging Jump Start (Charger & Cables)Battery & Terminal Cleaning Battery Load Test Starter Jump TestBattery – Specific Gravity TestAccuracy Plus System Test | \_\_\_/ 1\_\_\_/ 1\_\_\_/ 1\_\_\_/ 1\_\_\_/ 2\_\_\_/ 2 \_\_\_/ 3  | HSW: Alternators\_\_\_/17 | Starting & Charging Quiz\_\_\_/48 |
| **Cooling**  | Freeze Protection Test Coolant Test Strip Coolant Pressure Test Radiator Cap Pressure Test Thermostat R&R w/ boil  | \_\_\_/ 1\_\_\_/ 1\_\_\_/ 1 \_\_\_/ 1\_\_\_/ 3   | HSW: Cooling Systems\_\_\_/23 | Cooling Systems Quiz\_\_\_/57 |
| **Ignition**  | Clean & Gap a Spark Plug Spark Test (3+ cylinders) Wire Resistance Test R&R 3 Spark Plugs Compression Test (3+ cylinders)  | \_\_\_/ 1 \_\_\_/ 1\_\_\_/ 2\_\_\_/ 3\_\_\_/ 3   | HSW: Ignition Systems\_\_\_/15 | Ignition Systems Quiz\_\_\_/20 |
| **Brakes**  | Disk Brake R&RDrum Brake R&R Bleed Bleeding (2 corners min) | \_\_\_/ 3\_\_\_/ 4 \_\_\_/ 5  | HSW: Disk & Drum Brakes\_\_\_/30 | Brake Systems Quiz\_\_\_/60 |
| **Fuel**  | Air Filter R&RThrottle Body Cleaning Fuel Pressure Test Mass Air Flow Cleaning O2 Sensor R&R Fuel Filter R&R | \_\_\_/ 1\_\_\_/ 2\_\_\_/ 2\_\_\_/ 2\_\_\_/ 3 / 4 | HSW: Fuel Systems\_\_\_/19 | Fuel & Emissions Quiz\_\_\_/45 |