Fall, 2014

Section # 21256 07:15pm-10:20pm M, W.
Instructor: Michael McCart
Office Phone # 408-864-8376 (during office hours)
E-mail mccartmichael@deanza.edu (best way to communicate)
Website: http://www.deanza.edu/faculty/mccartmichael/
Class meetings: September 22–December 10
Classroom: G8
Office hours Instructor’s office hours will be 5-6 PM, M, T, W, Th. in E14A or G8.
Automotive website http://www.deanza.edu/autotech/

Requisites: Prerequisite: Automotive Technology 60, 60B, 60E and one year of related automotive experience.

Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 212 or equivalent.

Hours: Seven hours lecture (84 hours total per quarter).

Student Learning Outcome: Student will be able to answer correctly, selected questions on the final exam concerning Bureau of Automotive Repair rules, regulations, and proper procedures to perform a smog check in the state of CA.

Important Dates:

Review the De Anza College web cite

Final Exam Wednesday December 10, 8:30-10:30pm

Disruptive Behavior

A. De Anza College will enforce all policies and procedures set forth in the Standards of Student Conduct (see catalog). Any student disrupting a class may be asked to leave that class. After administrative review, the instructor may drop the student from the class.

B. Repeated cell phone interruptions will not be tolerated. Turn cell phones off during class and keep them in your backpacks.

C. There will be no eating, drinks, or chewing tobacco or gum in this classroom.

D. Smoking in designated areas only.

Attendance Students will be dropped after two or more absences.

IMPORTANT NOTICE

NONE OF THE EXAMINATIONS OR THE LABORATORY EVALUATIONS MAY BE MADE UP UNLESS PRIOR AUTHORIZATION IS ARRANGED WITH THE INSTRUCTOR. OTHER LATEWORK WILL BE LOWERED ONE WHOLE GRADE
Auto 65P
Automotive technician training program for California's Inspection and Maintenance Program (I&M Program).
Course content is mandated by the BAR.

Student requirement
Bring yourself to class with your desire to participate.

Required equipment
A. Computer, with World Wide Web access
B. Scientific calculator (not your cell phone)
C. Safety glasses for classroom lab demonstrations and at all times when in the shops
D. Notebook and pencil

Course objectives
1. Describe and demonstrate personal, shop, equipment, and vehicle safety practices.
2. Describe engine theory, design, and operation for both gasoline and diesel vehicles.
3. Demonstrate their knowledge, skills and abilities in identifying engine systems, parts, and components.
4. Describe emission control systems theory, design and operation for both gasoline and diesel vehicles.
5. Demonstrate their knowledge, skills and abilities in identifying emission control systems on various vehicle designs.
6. Demonstrate their knowledge, skills and abilities in checking ignition timing on various vehicle designs.
7. Demonstrate their knowledge, skills and abilities in checking the operation of exhaust gas recirculation systems on various system designs.
8. Demonstrate their knowledge, skills and abilities in checking monitor readiness on vehicles equipped with second generation on-board diagnostics systems (OBDII).

BAR online Modules
Module 5 Procedures for Ignition Timing Inspections
Module 8 EGR Functional Testing

Worksheets
Worksheet I Ignition timing
Worksheet II Exhaust Gas Recirculation
Worksheet III Vehicle Inspection Report
Worksheet IV BAR reference vehicle
Worksheet VI Evap System
Worksheet VII Codes
Worksheet VIII Vehicle Inspection report
Worksheet X ECS application guide

Quizzes are on Wednesday
Week 4
Week 8

Tests
Week 6 Midterm
Week 12 Final
Grading

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
<th>Description</th>
<th>Percentage</th>
<th>Grade points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online Modules</td>
<td>2 at 15</td>
<td>30</td>
<td></td>
<td></td>
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<tr>
<td>Worksheets</td>
<td>8 at 20</td>
<td>160</td>
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<tr>
<td>Quizzes</td>
<td>2 at 80points</td>
<td>160</td>
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<tr>
<td>Midterm</td>
<td>110</td>
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<tr>
<td>Performance</td>
<td>10</td>
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<tr>
<td>Final</td>
<td>130</td>
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<tr>
<td>Total</td>
<td>600</td>
<td></td>
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</table>

Grade definitions are as follows:

Evaluative Symbols, Percentages and Grade Points

<table>
<thead>
<tr>
<th>Points</th>
<th>Letter grade</th>
<th>Percentage</th>
<th>Grade points</th>
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</thead>
<tbody>
<tr>
<td>576-600</td>
<td>A+ Excellent</td>
<td>96-100%</td>
<td>4.0</td>
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<tr>
<td>540-575</td>
<td>A Excellent</td>
<td>90-95.9%</td>
<td>4.0</td>
</tr>
<tr>
<td>520-539</td>
<td>A- Excellent</td>
<td>86.6-89.9%</td>
<td>3.7</td>
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<tr>
<td>500-519</td>
<td>B+ Good</td>
<td>83.3-86.5%</td>
<td>3.3</td>
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<tr>
<td>480-499</td>
<td>B Good</td>
<td>80-83.2%</td>
<td>3.0</td>
</tr>
<tr>
<td>460-479</td>
<td>B- Good</td>
<td>76.6-79.9%</td>
<td>2.7</td>
</tr>
<tr>
<td>440-459</td>
<td>C+ Satisfactory</td>
<td>73.3-76.5%</td>
<td>2.3</td>
</tr>
<tr>
<td>420-439</td>
<td>C Satisfactory</td>
<td>70-73.2%</td>
<td>2.0</td>
</tr>
<tr>
<td>390-419</td>
<td>D+ Passing, less than satisfactory</td>
<td>65-69.9%</td>
<td>1.3</td>
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<tr>
<td>360-389</td>
<td>D Passing, less than satisfactory</td>
<td>60-64.9%</td>
<td>1.0</td>
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<tr>
<td>340-359</td>
<td>D- Passing, less than satisfactory</td>
<td>56.6-59.9%</td>
<td>0.7</td>
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<tr>
<td>Below 339</td>
<td>F Failing</td>
<td>Below 56.6</td>
<td>0.0</td>
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*This schedule is subject to change without notice* It is intended to be a general guide during the quarter. The schedule and procedures for this course are subject to change at the discretion of the instructor.