Fall, 2014

Section # 21263 06:00pm-07:05pm 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 24–December 12
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: Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 212 or equivalent; Automotive Service Excellence (ASE) Certification A6, A8 & L1.

Hours: Two and one-half hours lecture (30 hours total per quarter).

Student Learning Outcome: Student will be able to answer correctly, selected questions on the final exam concerning repairs to lower Oxides of Nitrogen (Nox) failures and procedures to perform an acceleration simulation mode (ASM) smog inspection using a dynomometer.

Important Dates:

Review the De Anza College web cite

Final Exam Wednesday December 10, 6:00-10:30pm

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 65W
Automotive technician training program for California's Inspection and Maintenance Program (I&M Program). This course and Level 1 training meets the Bureau of Automotive Repair (BAR) requirement for obtaining an (EI) Smog inspector License.

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

Advanced clean air
1. Describe and demonstrate personal, shop, equipment, and vehicle safety practices.
2. Describe the laws, regulations, and procedures associated with consumer authorization of inspections and the overall administration of the Smog Check Program.
3. Describe the standards of practice expected of Smog Check Inspectors.
4. Demonstrate ability to calibrate an emission inspection system.
5. Demonstrate their knowledge, skills and abilities in performing Smog Check emission tests on various vehicle designs.
6. Demonstrate their knowledge, skills and abilities in performing Smog Check visual inspections on various vehicle designs.
7. Describe and demonstrate they have the knowledge, skills and abilities to perform smog check functional tests on various vehicle designs.

BAR online Modules
Module 1   California Smog Check Program
Module 2   How to do a California Smog Check Inspection
Module 3   Using the ECS Application Guide
Module 9   Referee Network
Module 6   Aftermarket Parts
Module 7   Inspection Procedures for Engine Changes
Module 4   Smog Check Inspection Procedures for OBD II

BAR laws
Write it Right - A Guide For ARDs
Laws and Regulations Manual - 2014 Edition

BAR Smog check training courses (printed certificate required)
Diesel Smog Check Inspection Training
Fuel Evaporative System Inspection Training
Smog Check Inspection Video
Smog Check Inspector Update Version 1.3c
Visible Smoke Test Training

Worksheets
Worksheet X1   Laws
Worksheet V   ASM Testing
Worksheet IX   OIS testing
Quizzes are on Wednesday
Week 4
Week 8

Tests
Week 6  Midterm
Week 12  Final

Grading
7 Online Modules  7 at 15  105
5 Online training with certificates 5 at 20  100
Worksheets  3 at 20  60
Quizzes 2  2 at 50 points  100
Midterm  110
Performance  10
Final  115
Total  600

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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<tbody>
<tr>
<td>576-600</td>
<td>A+ Excellent</td>
<td>96-100%</td>
<td>4.0</td>
</tr>
<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>
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<tr>
<td>440-459</td>
<td>C+ Satisfactory</td>
<td>73.3-76.5%</td>
<td>2.3</td>
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<tr>
<td>420-439</td>
<td>C Satisfactory</td>
<td>70-73.2%</td>
<td>2.0</td>
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<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>
</tr>
<tr>
<td>Below 339</td>
<td>F Failing</td>
<td>Below 56.6</td>
<td>0.0</td>
</tr>
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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.