

De Anza College  
AUTOMOTIVE TECHNOLOGY 65P  
Clean Air Car Course, 7 Units  
Level 1  
Green Sheet

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

Online Modules	2 at 15	30
Worksheets	8 at 20	160
Quizzes 2	2 at 80 points	160
Midterm		110
Performance		10
Final		130
	Total	600

Grade definitions are as follows:

### Evaluative Symbols, Percentages and Grade Points

Points	Letter grade	Percentage	Grade points
576-600	A+ Excellent	96-100%	4.0
540-575	A Excellent	90-95.9%	4.0
520-539	A- Excellent	86.6-89.9%	3.7
500-519	B+ Good	83.3-86.5%	3.3
480-499	B Good	80-83.2%	3.0
460-479	B- Good	76.6-79.9%	2.7
440-459	C+ Satisfactory	73.3-76.5%	2.3
420-439	C Satisfactory	70-73.2%	2.0
390-419	D+ Passing, less than satisfactory	65-69.9%	1.3
360-389	D Passing, less than satisfactory	60-64.9%	1.0
340-359	D- Passing, less than satisfactory	56.6-59.9	0.7
Below 339	F Failing	Below 56.6	0.0

\*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.