VICTOR VALLEY COLLEGE SYLLABUS

FALL 2017

# Course No.: **Auto 85.5** Course Title:Engine/Emission Control Training (BAR Level 1) Units: 4.00

# Section No.: **65272** Class Hours: 6:00pm - 9:00pm Days: Monday & Thursday Room No.: 2

# Instructor: Mike Warnock email: mike.warnock@vvc.edu

## FALL CALENDAR

**Spring Term Begins August 28**

**Labor Day Holiday (college closed) September 4**

**Veteran’s Day Holiday (college closed) November 10- 11**

**Thanksgiving Holiday (college closed) November 23-25**

**FALL Term Ends December 16**

## WITHDRAWAL POLICY

**NOTE** – **CAMPUS IS CLOSED and** **CLASSES WILL NOT BE HELD ON CAMPUS THE FOLLOWING DATES:**

**September 4th, November 10th, 11th, 23rd, 24th, 25th**

*STATEMENT OF ACCESS:* Students with special needs are encouraged to meet with instructors to discuss the opportunity for academic accommodation and referral to Disabled Students Programs and Services (DSPS) and services per Administrative Procedure (AP 3440)

**Visit Victor Valley College online at** [**www.vvc.edu**](http://www.vvc.edu/)

### Prerequisite:

**None**

### Textbook:

**1. STI Pearson “Level One Inspector Training” (Smog Inspector Training)**

**2. BAR,” Smog Check Reference Guide” (2014)** <https://www.bar.ca.gov/pdf/Smog_Check_Reference_Guide.pdf>

**3. BAR, “2013 Smog Check Manual”** <https://www.bar.ca.gov/pdf/Smog_Check_Manual_ENG_2013.pdf>

### Course Description:

This course provides the student with a basic knowledge of automotive systems and components. Information covered will service as a foundation and prerequisite for advanced automotive classes. Topics covered will include safety, tool and shop equipment uses, industry practices, technician certification, theory and design of the major automotive systems.

### Course Objectives:

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| **Upon completion of the course the student should be able to:**  1. Recognize and identify shop safety, environmental hazards and sustainable environmental practices in an automotive shop.  a. Exams/Tests/Quizzes  2. Identify the different components of the ignition system.  a. Exams/Tests/Quizzes  3. Disassemble, measure, diagnose, repair, and reassemble all ignition system components.  a. Exams/Tests/Quizzes  4. Diagnose, disassemble, repair, and reassemble components of the fuel delivery system.  a. Exams/Tests/Quizzes  5. Diagnose, disassemble, repair, and reassemble components of emission control systems  a. Exams/Tests/Quizzes  6. Analyze vehicle exhaust gasses, diagnosis ignition, fuel, and emission problems with exhaust gas readings  a. Exams/Tests/Quizzes |

### Student Learning Outcomes:

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| **Student Learning Outcomes Upon completion of the course the student can:**  1. Safely and responsible perform automotive repairs while minimizing the negative impact on the environment. |
| 2. Determine necessary repairs to bring the emission control systems into industry compliance for driveability and emissions |

*Attendance Policy:* (Class attendance is not a measure of performance or proficiency. Whether a student is just physically present in the class is not a valid basis for grading. Reference Title 5 Section 55002 of the California Code of Regulations: (A) Grading Policy. The course provides for measurement of student performance in terms of stated course objectives and culminates in a formal, permanently recorded grade based upon uniform standards in accordance with section 55758 of this Division. The grade is based on demonstrated proficiency in the subject matter and the ability to demonstrate that proficiency, at least in part, by means of written expression that may include essays, or, in courses where the curriculum committee deems them to be appropriate, by problem solving exercises or skills demonstrations by students.)

### Grading Policy:

**Lab Projects**

Lab projects will be assigned as the correlate to the chapter being studied and will be completed on NATEF task sheets. These lab sheets are included in your on line aces but if you would like to use those you will need to print them at home prior to going to class. You can also buy all NATEF task sheets in one manual that will be good for all classes in the future that use CDX. To receive credit for NATEF Task Sheets must submitted for the grade on the day of the lab project. Late work will not be accepted.

**Chapter test**

Each chapter will conclude with a computer based chapter test, you may take the chapter test as many times as you would like and only your highest score will be recorded. Please pay close attention to the due dates. After the chapter test due date has passed the test can no longer be taken.

**Final Exam**

At the end of term there will be a hands-on Final Exam

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| **Grade Value** | | **Grading Scale** | |
| **SP-2 (Safety)** | **15%** | **100% thru 90%** | **A** |
| **Lab Assignments** | **50%** | **89% thru 80%** | **B** |
| **Chapter Test** | **20%** | **79% thru 70%** | **C** |
| **Final Exam** | **15%** | **69% thru 60%** | **D** |
|  |  | **59% or below** | **F** |

**SP2 Shop Safety Program:** All students participating in courses within the automotive program must pass two safety courses on the SP2 website. The safety program contained on this website is intended to educate the students on both safety and environmental concerns regarding the automotive industry. The student should log onto the website using the following information and complete both final exams with a grade of 80% or greater. The student will have five attempts at the final exam before the exam will need to be reset by the instructor. Upon completion of each exam the student can print out a certificate suitable for framing or inclusion with a resume.

**www.sp2.org**

**Account ID: 78442**

**Password: fact**

**Pin: Last six digits of your college ID#**