Mendocino College
COURSE LEVEL STUDENT LEARNING OUTCOMES

Term Effective: (i.e. F2006) S2008

Title: Advanced Engine and Emission Controls *(limit to 50 characters including spaces)*

Discipline/Number: AUT 170

Instructor Contact: Stephen Fowler

Date Submitted /Modified: 12/6/07

Units Min:	6.0	Units Max:	6.0	Lecture Hours:	3.0	Lab Hours:	9.0
If this is a variable unit course, the relationship between earned units and any difference in expected SLOs should be explained.							

Student Learning Outcomes:

1. Describe the operating principles of modern electronic engine control systems.

2. Understand the causes of smog and the operation of pollution control systems.

3. Correctly perform basic service, diagnosis, and repair operations on typical automotive electronic engine and emission control system units.

4. Correctly use manufacturers service and repair information and automotive emission control manuals.

5. Develop good safety and housekeeping habits.

6. Trace computer circuits on a typical vehicle and utilize factory "trouble tree" diagnosis to isolate faults.

7. Perform emission control system inspections in conformance with BAR standards.

The above outcomes assessed through oral and written quizzes and demonstrated correct procedures in the laboratory.

Instructor(s):

(Signature)	*(Date)*
(Signature)	*(Date)*