



# Mendocino College

COURSE LEVEL STUDENT LEARNING OUTCOMES

Term Effective: (i.e. F2006)

S2008

**Title:** Automotive Engines **Discipline/Number:** AUT 140  
*(limit to 50 characters including spaces)*

**Instructor** Stephen Fowler **Date Submitted** 12/6/07  
**Contact:** \_\_\_\_\_ **/Modified:** \_\_\_\_\_

Units Min:	4.0	Units Max:	4.0	Lecture Hours:	2.0	Lab Hours:	6.0
<i>If this is a variable unit course, the relationship between earned units and any difference in expected SLOs should be explained.</i>							

### Student Learning Outcomes:

1. Identify common automotive tools and their purpose, select the correct tool for the job at hand and use the tools in a safe manner.
2. Locate service information from available sources, determine parts and labor charges and accurately fill out a repair order.
3. Explain the basic operation of a four-stroke cycle engine, test the compression system effectiveness through leakdown and compression tests and measure and evaluate worn engine parts.
4. Correctly disassemble and overhaul an engine including grinding valves and seats, bearing replacement, piston and ring service and reassembly and startup/break-in.

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

Instructor(s):

\_\_\_\_\_  
*(Signature)*  
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*(Signature)*

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*(Date)*  
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*(Date)*