



# Mendocino College

COURSE LEVEL STUDENT LEARNING OUTCOMES

Term Effective: (i.e. F2006)

S2008

**Title:** Automotive Air Conditioning/Heating Systems **Discipline/Number:** AUT 146  
*(limit to 50 characters including spaces)*

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

Units Min:	2.0	Units Max:	2.0	Lecture Hours:	1.5	Lab Hours:	1.5
<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 and equipment in a safe and environmentally correct manner.
2. Locate service information from available sources, determine parts and labor charges and accurately fill out a repair order.
3. Explain the basic functioning of a refrigeration system, naming the parts and explaining their function, and describing the state of the refrigerant at each point.
4. Correctly leak test, gauge check, and service a refrigerant system.
5. Correctly diagnose common problems in HVAC control systems.

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

Instructor(s):

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*(Signature)*

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*(Signature)*

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*(Date)*

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*(Date)*