



SLO Assessment Cycle for AUTO 60H

Advanced Drivability and Onboard Diagnostics

Assessment Initiated by: [John Walton](#) (8508) in AUTO

Outcomes:

Outcome 1: Statement

Student will describe the onboard self-test and diagnostic capabilities of various manufacturers' vehicle control systems. Student will apply diagnostic self-tests as applicable for a given symptom. Student will assess generic scan tool data as compared to proprietary data. Student will select the appropriate diagnostic test procedure. Student will distinguish the results of mode \$06 test results.

Assessment Cycle Records:

Outcome 1: Assessment Planning Modified: [08/08/2012]

Assessment Strategy Used:

Quarter: Spring 2012

Assessors: John Walton

Assessment Tools: Exams

Sections being assessed: 95

Outcome 1: Reflect & Enhance Modified: [08/08/2012]

Number of people involved in Reflection and Enhancement: 2

Changes:

Methods:

The assessment tool for Auto 60H is the final exam.

Summary:

Summary of assessment results.

1. Student will describe the on-board self-test and diagnostic capabilities of various manufacturers' vehicle control systems.

- a. Number of questions analyzed: 12
- b. Percent of correct answers: 85%

2. Student will apply diagnostic self-tests as applicable for a given symptom.

- a. Number of questions analyzed: 2
- b. Percent of correct answers: 81%

3. Student will assess generic scan tool data as compared to proprietary data.

- a. Number of questions analyzed: 2
- b. Percent of correct answers: 89%

4. Student will select the appropriate diagnostic test procedure.

- a. Number of questions analyzed: 3
- b. Percent of correct answers: 92%

5. Student will distinguish the results of mode \$06 test results.

- a. Number of questions analyzed: 6
- b. Percent of correct answers: 93%

Total number of students: 20

Total percent: 94.9%

What students needs and issues were revealed?

The students need help in summary item 2, application of diagnostics

Were there any areas where the student performance was outstanding?

Students performed above expectation in summary item 5, mode \$06 analysis.

Any areas where it can be improved?

There is a need for improvement in summary areas 1, 2, & 3.

Did your students meet your "expectations of student proficiency or student success?"

The students exceeded my expectations, the widespread use of scan tools for diagnostics has become mainstream.

Enhancement (Part I):

Improving the student outcomes through analysis of virtual case studies that involve typical repair scenarios.

Enhancement (Part II):

The equipment needs remain unchanged. Additional resources would include additional equipment such as late model factory scan tools and additional lab computers for access to OBD reference materials and various websites. The latest requirements for the California Smog program include diesel powered vehicles, we need at least one to fulfill

this requirement.

[Number of Outcomes for AUTO 60H: 1]