De Anza College

SLO Assessment Cycle for AUTO 99D

Intermediate Engine Performance Systems

Assessment Initiated by: <u>Pete Vernazza</u> (8216) in AUTO

Outcomes:

Outcome 1: Statement

The student will be able to examine a vehicle with a no-start condition, and using analytical skills learned in class, be able to deduce the malfunctioning component(s) within 15 minutes.

Assessment Cycle Records:

Outcome 1: Assessment Planning Modified: [03/24/2011]

Assessment Strategy Used:
<u>Quarter</u>: Winter 2011
<u>Assessors</u>: Pete Vernazza
<u>Assessment Tools</u>: Performances/Demonstrations
<u>Sections being assessed</u>: 55

Outcome 1: Reflect & Enhance Modified: [03/24/2011]

Number of people involved in Reflection and Enhancement: 1

Changes:

Methods:
Each student was given a vehicle that would not start. Based on analytical skills learned in class, each was required to get the engine to start or give me the correct diagnosis in 15 minutes.

Summary:
Nineteen students correctly diagnosed the problem while 4 did not. In the weeks leading up to this test, students were able to practice their skills in the lab on a variety of vehicles that would not start. Many students had prior experience in 'no-start' diagnosis and obviously, this was a huge advantage. This particular task is a good exercise in critical thinking. Each test that the students perform on the engine should provide a clear path as to the next step(s) until the problem is isolated. Seven students had a correct diagnosis in as little as 5 minutes. As far as improvement, I will further instill the importance of following procedures and directions to correctly diagnose and engine that will not start.

Enhancement (Part I):
As stated above, I will further instill the importance of following procedures and directions.

Enhancement (Part II):
n/a

[Number of Outcomes for AUTO 99D: **1**]