



## SLO Assessment Cycle for AUTO 60B

Automotive Electronics

Assessment Initiated by: John Walton (8508) in AUTO

### Outcomes:

#### Outcome 1: Statement

Student will identify and appraise the operation of engine control systems where computer management is prevalent. Student will apply basic electrical fundamentals for the purpose of diagnostic troubleshooting. Student will interpret and analyze digital computer input and output signals. Student will select the appropriate diagnostic test equipment based on system symptom and design. Student will integrate the results of diagnostic tests and measurements.

### Assessment Cycle Records:

#### Outcome 1: Assessment Planning Modified: [02/09/2011]

#### Assessment Strategy Used:

Quarter: Fall 2010

Assessors: John Walton

Assessment Tools: Exams

Sections being assessed: 95

#### Outcome 1: Reflect & Enhance Modified: [02/09/2011]

**Number of people involved in Reflection and Enhancement: 1**

**Changes:**

#### Methods:

The assessment tool for 60B is the final exam.

#### Summary:

Result totals Fall 2010

1. Student will identify and appraise the operation of engine control systems where computer management is prevalent.  
19 missed out of possible 140 86% correct.
2. Student will apply basic electrical fundamentals for the purpose of diagnostic troubleshooting.  
19 missed out of possible 84 77% correct
3. Student will interpret and analyze digital computer input and output signals.  
34 missed out of possible 112 70% correct
4. Student will select the appropriate diagnostic test equipment based on system symptom and design.  
26 missed out of possible 56 46% correct
5. Student will integrate the results of diagnostic tests and measurements.  
4 missed out of possible 42 91% correct

#### Enhancement (Part I):

Enhancement Fall 2010 60B

As a result of the SLO process I am cooperating with my college Michael McCart who teaches the first course in the series. He is a new hire and extremely eager to help the students succeed. I look forward to the results in the winter. In addition I have purchased a web hosting subscription and obtained permission from Toyota Motor Company to upload Toyota interactive web based training courses. The courses are designed as a pre-work module that needs to be completed before the start of class. I am using the De Anza portal to email the web link including user names and passwords to the students as they enroll. I was surprised to find that the De Anza web team was unable to help with this project as they do not support adobe flash files.

#### Enhancement (Part II):

Additional resource and equipment summary Auto 60B Fall 2010 have found that the provided class room is very adequate. It would help to have a little more room for our vehicle storage. My class has a need for computer and internet access for each student. While there are some computers in our facility, it is very time consuming to get the machines set up and working. Also, the classroom is equipped with an overhead camera, the installation is not correct and results in dark and blurry images, it is very challenging as I use the camera during every lecture, many times I use it spontaneously, it has become disruptive to flip the camera on in the middle of an explanation and then have to stop and make several adjustments. The camera also automatically shuts off when you switch back to the PC compounding the trouble. I have

resolved to work out the camera issues so that it can function to its maximum potential.

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[ Number of Outcomes for AUTO 60B: 1 ]