



## SLO Assessment Cycle for AUTO 60G

Advanced Scan Tool Diagnosis

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

### Outcomes:

#### Outcome 1: Statement

Student will identify the purpose of an automotive scan tool.  
 Student will recognize the various functions of a scan tool.  
 Student will calculate a diagnostic approach based on scan data. Student will differentiate the status of DTCs (diagnostic trouble codes). Student will evaluate a given set of data for the purpose of diagnostics. Student will categorize data values based on specific symptoms.

### Assessment Cycle Records:

#### Outcome 1: Assessment Planning Modified: [06/23/2011]

#### Assessment Strategy Used:

Quarter: Spring 2011

Assessors: John Walton

Assessment Tools: Exams

Sections being assessed: 95

#### Outcome 1: Reflect & Enhance Modified: [06/23/2011]

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

#### Changes:

#### Methods:

60G Summary: Final Exam

Summary Items 1 - 6 below:

Total number of exams scored = 22

1. Student will identify the purpose of an automotive scan tool.  
Correct = 78%
2. Student will recognize the various functions of a scan tool.  
Correct = 82%
3. Student will calculate a diagnostic approach based on scan data.  
Correct = 85%
4. Student will differentiate the status of DTCs (diagnostic trouble codes).  
Correct = 67%
5. Student will evaluate a given set of data for the purpose of diagnostics.  
Correct = 71%
6. Student will categorize data values based on specific symptoms.  
Correct = 76%

#### Summary:

The students are ready and understand the value of the scan tool. Use of the scan tool has become fundamental when reading diagnostic trouble codes and data. The students are challenged when it comes to evaluating trouble code status and interpreting data values.

#### Enhancement (Part I):

As a result of this SLO interpretation I have initiated an on line pre-work course module which required written permission from Toyota Motor Company and a subscription to a web hosting service (the DeAnza web team could not help with this due to incompatibility with Adobe flash products). The web module is designed as a self paced on line learning course with interactive learning features. In preparation for this course I will email students the web module password in advance so that the module may be reviewed on the first night.

#### Enhancement (Part II):

Future enhancements for 60G will include expanded use of proprietary scan tools such as the Toyota Tech Stream. Our department has agreed to purchase the needed equipment within the next year or so. I am considering some course modifications that may include a Toyota only component as well as other specialized systems.

[ Number of Outcomes for AUTO 60G: 1 ]

