Assessment: Course Four Column

Spring/Summer 2017

El Camino: Course SLOs (IND) - Automotive Technology

ECC: ATEC 22A:Introduction to Tune-Up, Electrical and Fuel Systems

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
SLO #3 Engine Condition & Performance - The student will test and evaluate engine condition and performance using an Engine Analyzer/ Scanner lab worksheet to manufacturer specifications. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2016-17 (Spring 2017) **Input Date:** 11/12/2013 **Inactive Date:** **Comments::**	**Presentation/Skill Demonstration -** Students will perform an OBD II system analysis on a computer controlled working vehicle according to manufacturer specifications and complete a lab worksheet which will contain engine, sensor and Controller Area Network (CAN) test data and their analysis of said data to determine computer controlled engine management system condition. (Active) **Standard and Target for Success:** 90% of students will complete the OBD II system analysis on a computer controlled working vehicle properly on the first skill proficiency demonstration to the Instructor, following manufacturer specifications, and present a completed Lab worksheet with their findings and analysis of the computer controlled engine management system condition achieving a score of 90% or higher. The remaining 10% will achieve a	**Semester and Year Assessment Conducted:** 2016-17 (Spring 2017) **Standard Met? :** Standard Met Students performed an OBD II system analysis on a computer controlled working vehicle according to manufacturer specifications and completed a lab worksheet which contained engine, sensor and Controller Area Network (CAN) test data and then analyzed said data to determine computer controlled engine management system condition. 92% of students completed the OBD II system analysis on a computer controlled working vehicle properly on the first skill proficiency demonstration to the Instructor, following manufacturer specifications, and present a completed Lab worksheet with their findings and correct analysis of the computer controlled engine management system condition achieving a score of 90% or higher. The remaining 8% achieved a score of 90% or higher on their second attempt after further instruction and review. (09/21/2017) **% of Success for this SLO:** **Faculty Assessment Leader:** Michael Anderson **Faculty Contributing to Assessment:**	**Action:** Will continue to have teaching methods and equipment usage remain current and up to date with ever rapidly advancing engine management technologies. The upgrading of our OBD II scan tools is essential as our current scan tools are quickly becoming outdated. (12/14/2017) **Action Category:** Teaching Strategies

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	score of 90% or higher on their second attempt after further instruction and review. **Additional Information:**		

ECC: ATEC 25:Automotive Electrical Systems

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
SLO #3 Engine Condition & Performance - The student will test and evaluate engine condition and performance using an Engine Analyzer / Scanner lab worksheet to manufacturer specifications. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2016-17 (Spring 2017) **Input Date:** 11/12/2013 **Inactive Date:** **Comments::**	**Multiple Assessments -** This was done through many worksheets over the course of the class and was part of the student's lab grades **Standard and Target for Success:** 70 % or better on all of the lab grades. The lab grade is the biggest part of the student's grade. **Additional Information:** This SLO needs to be changed to better meet the requirements of NATEF and align with the course curriculum.	**Semester and Year Assessment Conducted:** 2016-17 (Spring 2017) **Standard Met? :** Standard Met The students completed their worksheets and met the objective over all. (09/01/2017) **% of Success for this SLO:** **Faculty Assessment Leader:** Edward Matykiewicz **Faculty Contributing to Assessment:** **Related Documents:** _Automotive_Electricity_-_Electronics_Gradebook_2017_06_15_03_06_40.xlsx	**Action:** Update the SLO (09/01/2017) **Action Category:** SLO/PLO Assessment Process **Follow-Up:** 01/12/18 (09/01/2017)