

# Student Learning Outcomes Assessment Summary

## *Automotive Technology* *UAF Community & Technical College* AYs of 2011-2012

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### 1. Assessment information collected

#### A.) Problem Solving

- a.) Students were given an exit exam to determine their knowledge and skills of all courses.

#### B.) Outlook Assessment

- a.) Students were given an exit questionnaire of satisfaction and expectation of each course in the program.

**Note:** Data is collected every semester, assessment every year by faculty committee.

### 2. Conclusions drawn from the information summarized above

#### A.) Problem Solving

- a.) Overall, the 13 students who participated retained and showed satisfactory knowledge of the program.

<u>Student's Score</u>	<u>Percentile of Class</u>
98%	15%
97%	15%
96%	15%
92%	15%
91%	8%
89%	8%
88%	8%
80%	8%
70%	8%

B.) Outlook Assessment

a.) Overall, courses met expectations of the 13 students who participated.

Course	Level of Importance	Percentile of Class	Met Expectations?
-Knowledge of Information of Auto Technology	Very Important	77%	YES-75% of class
	Important	8%	NO-25% of class
	Little Importance	15%	
-Knowledge of Basic Electrical Systems	Very Important	46%	YES-83% of class
	Important	54%	NO-17% of class
-Knowledge of Auto Electrical II	Very Important	69%	YES-83% of class
	Important	31%	NO-17% of class
-Knowledge of Auto Electrical III	Very Important	54%	YES-83% of class
	Important	38%	NO-17% of class
	Little Importance	8%	
-Knowledge of Engine Theory & Diagnosis	Very Important	69%	YES-92% of class
	Important	31%	NO-8% of class
-Knowledge of Suspension Alignment	Very Important	62%	YES-100% of class
	Important	38%	
-Knowledge of Auto Fuel & Emission Systems	Very Important	62%	YES-83% of class
	Important	23%	NO-17% of class
	Little Importance	15%	
-Knowledge of Auto Engine Performance	Very Important	62%	YES-67% of class
	Important	38%	NO-33% of class

**Note:** Two major curricular changes needed:

A.) Problem Solving

a.) Modifications made to update electronic teaching methods to keep students engaged during class. Rotating class between theory, hands on, and electronic interaction will increase students' ability to learn and retain information.

B.) Outlook Assessment

a.) Several students raised concerns that were taken into consideration of future changes made to the curriculum.

**3. Curricular changes resulting from conclusions drawn above**

A.) Changes were made during the summer of 2012 to address information delivery in curriculum as well as update electronic online learning program.

B.) Labs were redesigned and updated to recent NATEF standards.

**4. Identify the faculty members involved in reaching the conclusions drawn above and agreeing upon the curricular changes resulting**

All the Automotive Technology changes were addressed by the Program Coordinator and Instructors, which consist of:

Brian Rencher

Travis Cortez

Ross Benjamin