Course Assessment Report - 4 Column

Great Basin College

Courses (CTE) - Diesel Technology

Course Outcomes 1 and ctu.unitid = 698	Means of Assessment & Criteria / Tasks	Results	Action & Follow-Up
DT 102 - Basic Vehicle Electronics - Ohm's Law - Understand ohm's Law; the relationship between voltage, current, and resistance in a circuit **Next Assessment:** 2019-2020 **Course Outcome Status:** Active	**Assessment Measure:** (1) Written Examination (2) Practical Evaluation – Students will be asked to show competence by kinesthetic demonstration. (3) Verbal – Students demonstrate competence by presenting oral demonstrations in groups and individually. **Assessment Measure Category:** Exam **Criterion:** 80 % efficient	08/03/2015 - 95 percent of students understand these concepts. **Criterion Met:** Yes **Reporting Period:** 2014-2015	08/03/2015 - Continue to teach but also develop more hands on exercise to strengthen their skills. Add a text book and require reading and homework to reinforce the principles. More reading and review of basic theory.
DT 102 - Basic Vehicle Electronics - Determine the condition of circuits and components - Know how to make voltage, voltage drop, current and resistance measurements to determine the condition of circuits and components **Next Assessment:** 2019-2020 **Start Date:** 08/03/2015 **Course Outcome Status:** Active	**Assessment Measure:**) Written Examination (2) Practical Evaluation – Students will be asked to show competence by kinesthetic demonstration. (3) Verbal – Students demonstrate competence by presenting oral demonstrations in groups and individually. **Assessment Measure Category:** Exam **Criterion:** 80 % efficient:	08/03/2015 - most know how to do the measurement with the exception of voltage drops. Some still struggle with amp measurement. Some struggle with volt drop testing. **Criterion Met:** Yes **Reporting Period:** 2014-2015	08/03/2015 - Make more lab exercises for measuring voltage drops. Use homework and reading to reinforce the principles. Use more video on voltage drop testing. More real life lab problems using a volt meter.
DT 102 - Basic Vehicle Electronics - Test electrical components - Know and demonstrate how to load test electrical components using voltage drops **Next Assessment:** 2019-2020 **Start Date:** 08/03/2015 **Course Outcome Status:** Active	**Assessment Measure:** 1) Written Examination (2) Practical Evaluation – Students will be asked to show competence by kinesthetic demonstration. (3) Verbal – Students demonstrate competence by presenting oral demonstrations in groups and individually. **Assessment Measure Category:** Exam **Criterion:** 80 % efficient	08/03/2015 - The students do fairly well with starters but other type of electrical devices they struggle more. Students struggle the application beyond what is being demonstrated. **Criterion Met:** Yes **Reporting Period:** 2014-2015	08/03/2015 - Develop other load exercise that does not deal with the starter directly. Such as a vent door motor or window motor. Use of video and lab exercises to help them gain a better understanding of the concept. Use the concepts in other classes that are being taught. Use it other Diesel classes to reinforce it home with them that it works.
DT 102 - Basic Vehicle Electronics - Test batteries - Know and demonstrate how to load	**Assessment Measure:** 1) Written Examination	08/03/2015 - Most students understand this concept by the end of class. They struggle with problems out of	

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test batteries **Next Assessment:** 2019-2020 **Start Date:** 08/03/2015 **Course Outcome Status:** Active	(2) Practical Evaluation – Students will be asked to show competence by kinesthetic demonstration. (3) Verbal – Students demonstrate competence by presenting oral demonstrations in groups and individually. **Assessment Measure Category:** Exam **Criterion:** 80 % efficient	the normal operation of the battery. **Criterion Met:** Yes **Reporting Period:** 2014-2015	08/03/2015 - More real situations that is hard to simulate in the lab. Look for ways to make them more real to life.
DT 102 - Basic Vehicle Electronics - Solder repair wiring - Know and demonstrate how to solder repair wiring **Next Assessment:** 2019-2020 **Start Date:** 08/03/2015 **Course Outcome Status:** Active	**Assessment Measure:** (1) Written Examination (2) Practical Evaluation – Students will be asked to show competence by kinesthetic demonstration. (3) Verbal – Students demonstrate competence by presenting oral demonstrations in groups and individually. **Assessment Measure Category:** Exam **Criterion:** 80 % efficient	08/04/2015 - The students do really well with this concept. **Criterion Met:** Yes **Reporting Period:** 2014-2015	08/04/2015 - Keep teaching it as it has been already.
DT 102 - Basic Vehicle Electronics - Locate sources of information related to electrical systems - Demonstrate the ability to locate sources of information related to electrical systems. (1,2,3) **Next Assessment:** 2019-2020 **Start Date:** 08/03/2015 **Course Outcome Status:** Active	**Assessment Measure:** 1) Written Examination (2) Practical Evaluation – Students will be asked to show competence by kinesthetic demonstration. (3) Verbal – Students demonstrate competence by presenting oral demonstrations in groups and individually. **Assessment Measure Category:** Exam **Criterion:** 80 %	08/04/2015 - N/A **Criterion Met:** Yes **Reporting Period:** 2014-2015	08/04/2015 - More activities of pulling information from the service manual and reading schematics.