

Assessment: Course Four Column

Courses (CTE) - Diesel Technology

DT 102:Basic Vehicle Electronics

Course Outcomes	Assessment Measures	Results	Actions
<p>Ohm's Law - Understand ohm's Law; the relationship between voltage, current, and resistance in a circuit Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Exam - 70% 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. Criterion: Memorize and apply the six laws</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes SPRING- Poor Results Analysis: Many students struggle with the concepts (11/14/2018)</p>	<p>Action: Motivate the student to study more and give scenario type test (11/14/2018)</p>
		<p>Reporting Period: 2017-2018 Criterion Met: Yes FALL- Fair Results Analysis: Students grasped the laws (11/06/2017)</p>	<p>Action: Give scenario type test (11/14/2018)</p>
<p>Voltage, voltage drop, current and resistance measurements - Demonstrate how to use a multimeter to make voltage, current and resistance measurements (1,2,3) Course Outcome Status: Active Next Assessment: 2022-2023 Start Date: 08/03/2015</p>	<p>Exam - 70% 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. Criterion: 70%</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes SPRING- Good Results Analysis: 90% achievement (11/14/2018)</p>	<p>Action: Same as being taught (11/14/2018)</p>
		<p>Reporting Period: 2017-2018 Criterion Met: Yes FALL- Good</p>	<p>Action: Same as being taught (11/14/2018)</p>

Course Outcomes	Assessment Measures	Results	Actions
<p>Identify electronic components and describe current flow in electrical circuits - Identify electronic components and describe current flow in electrical circuits. (1),(2),(3) Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Exam - 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. Criterion: 70%</p>	<p>Results Analysis: 90% achievement (11/06/2017)</p> <hr/> <p>Reporting Period: 2017-2018 Criterion Met: Yes SPRING-</p> <p>Fair</p> <p>Results Analysis: Some struggle with current flow (11/14/2018)</p> <hr/> <p>Reporting Period: 2017-2018 Criterion Met: Yes FALL-</p> <p>Good</p> <p>Results Analysis: Many students grasped the voltage drop while others struggle a bit (11/06/2017)</p>	<p>Action: Develop more activities where current is being measured (11/14/2018)</p> <hr/> <p>Action: Develop more activities where voltage loss is being measured (11/14/2018)</p>
<p>Locate sources of information related to electrical systems - Demonstrate the ability to locate sources of information related to electrical systems. (1,2,3) Course Outcome Status: Active Next Assessment: 2019-2020 Start Date: 08/03/2015</p>	<p>Exam - 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. Criterion: 70%</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes SPRING-</p> <p>Fair</p> <p>Results Analysis: Some struggle with service information (11/14/2018)</p> <hr/> <p>Reporting Period: 2017-2018 Criterion Met: Yes FALL-</p> <p>Fair</p> <p>Results Analysis: Some struggle with service information (11/06/2017)</p>	<p>Action: Develop lab activities with Cummins Insight and Cat SIS along with Mitchell on demand (11/14/2018)</p> <hr/> <p>Action: Develop lab activities with Cummins Insight and Cat SIS along with Mitchell on demand (11/14/2018)</p>

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Test batteries safely - Demonstrate how to test batteries safely (1,2,3) Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Exam - 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. Criterion: 70%</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes SPRING-</p> <p>Fair Results Analysis: When students lack in ohms law understanding it affects the testing of batteries (11/14/2018)</p>	<p>Action: More videos of battery theory with ohms law basis (11/14/2018)</p>
		<p>Reporting Period: 2017-2018 Criterion Met: Yes FALL-</p> <p>Fair Results Analysis: When students lack in ohms law understanding it affects the testing of batteries (11/06/2017)</p>	<p>Action: More videos of battery theory with ohms law basis (11/14/2018)</p>
<p>Build and test series, parallel, and series-parallel circuits - Demonstrate how to build and test series, parallel, and series-parallel circuits. (1,2,3) Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Exam - 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. Criterion: 70%</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes SPRING-</p> <p>Fair Results Analysis: students work in pairs and don't always engage in the lab work (11/14/2018)</p>	<p>Action: Buy more trainers so each student will have a trainer to do the labs on, hopefully engaging all students (11/14/2018)</p>
		<p>Reporting Period: 2017-2018 Criterion Met: Yes FALL-</p> <p>Fair Results Analysis: students work in pairs and don't always engage in the lab work (11/06/2017)</p>	<p>Action: Buy more trainers so each student will have a trainer to do the labs on, hopefully engaging all students (11/14/2018)</p>