**Course Prefix, Number, and Title ) Academic Year: 2020/2021 Fall**

**Department: CTE Diesel Technology Section Number(s):**

**Instructor Mike Whitehead Is this a GenEd class? Yes\_\_\_ No\_x\_\_**

 **Complete and submit your assessment report electronically to your department chair. As needed, please attach supporting documents and/or a narrative description of the assessment activities. You may use as many or as few outcomes as necessary.**

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| **Class/Course Outcomes** | **Assessment Measures** | **Assessment Results** | **Any Changes Made as a Result of Assessment** |
| In the boxes below, summarize the outcomes assessed in your class or course during the last year*.* If this is a GenEd class, include the appropriate GenEd objectives. | In the boxes below, summarize the methods used to assess course outcomes during the last year. Include the criterion you’ll use to judge whether or not students have achieved the expected outcome. | In the boxes below, summarize the results of your assessment activities during the last year. Include your judgment as to whether or not the criterion for student achievement has been met. | In the boxes below, summarize how you plan to use the results to improve student learning. |
| Outcome #1:Understand and demonstrate Ohm’s Law | Assessment Measure:Written Examination. Students will be asked to show competence by kinesthetic demonstrationCriterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results: 25% passed with 90% of better38% passed with 80% -89%25%passed with 70-79%0%passed with 69-60%12% did not pass (no show )Criterion Met: Yes | 1. Results Analysis:Working well at this time but need more lab time as it was some what reduced due to covitd Action Plan:None at this time |
| Outcome #2: Demonstrate how to use a multimeter to make voltage, current and resistance measurements  | Assessment Measure:Written Examination. Students will be asked to show competence by kinesthetic demonstrationCriterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results: 25% passed with 90% of better38% passed with 80% -89%25%passed with 70-79%0%passed with 69-60%12% did not pass (no show )Criterion Met: Yes | 1. Results Analysis:Working well at this time but need more lab time as it was some what reduced due to covitd Action Plan:None at this time  |
| Outcome #3: Know and demonstrate the safety precautions to be applied when working on electrical systems and components | Assessment Measure:Written ExaminationStudents will be asked to show competence by kinesthetic demonstrationCriterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results: 25% passed with 90% of better38% passed with 80% -89%25%passed with 70-79%0%passed with 69-60%12% did not pass (no show )Criterion Met: Yes | 1. Results Analysis:Working well at this time but need more lab time as it was some what reduced due to covitd Action Plan:None at this time |
| Outcome #4: Identify electronic components and describe current flow in electrical circuits. | Assessment Measure:Written ExaminationStudents will be asked to show competence by kinesthetic demonstrationCriterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results: 25% passed with 90% of better38% passed with 80% -89%25%passed with 70-79%0%passed with 69-60%12% did not pass (no show )Criterion Met: Yes |  Results Analysis:Labs are not clear and don’t align with training aids Action Plan:Re- write the Training board Labs to better align with out training aid and clearer understanding for the student to achieve learner outcome. |
| Outcome #5: Demonstrate how to test batteries safely | Assessment Measure:Assessment Measure:Written ExaminationStudents will be asked to show competence by kinesthetic demonstrationCriterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results: 25% passed with 90% of better38% passed with 80% -89%25%passed with 70-79%0%passed with 69-60%12% did not pass (no show )Criterion Met: Yes | Results Analysis:Working well at this time but need more lab time as it was some what reduced due to covitd Action Plan:None  |
| Outcome #6: Demonstrate how to build and test series, parallel, and series-parallel circuits. | Assessment Measure:Assessment Measure:Written ExaminationStudents will be asked to show competence by kinesthetic demonstrationCriterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results: 25% passed with 90% of better38% passed with 80% -89%25%passed with 70-79%0%passed with 69-60%12% did not pass (no show )Criterion Met: Yes | Results Analysis:Labs are not clear and don’t align with training aids Action Plan:Re- write the Training board Labs to better align with out training aid and clearer understanding for the student to achieve learner outcome. |

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| Outcome #7: Demonstrate how to identify and test electrical components | Assessment Measure:Assessment Measure:Written ExaminationStudents will be asked to show competence by kinesthetic demonstrationCriterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results: 25% passed with 90% of better38% passed with 80% -89%25%passed with 70-79%0%passed with 69-60%12% did not pass (no show )Criterion Met: Yes | Results Analysis:Working well at this time but need more lab time as it was some what reduced due to covitd Action Plan:None  |
| Outcome #8: Demonstrate the ability to test electronic circuits and components. | Assessment Measure:Assessment Measure:Written ExaminationStudents will be asked to show competence by kinesthetic demonstrationCriterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results: 25% passed with 90% of better38% passed with 80% -89%25%passed with 70-79%0%passed with 69-60%12% did not pass (no show )Criterion Met: Yes | Results Analysis:Labs are not clear and don’t align with training aids Action Plan:Re- write the Training board Labs to better align with out training aid and clearer understanding for the student to achieve learner outcome. |

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| Outcome #9: Demonstrate the ability to locate sources of information related to electrical systems. | Assessment Measure:Assessment Measure:Written ExaminationStudents will be asked to show competence by kinesthetic demonstrationCriterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results: 25% passed with 90% of better38% passed with 80% -89%25%passed with 70-79%0%passed with 69-60%12% did not pass (no show )Criterion Met: Yes | Results Analysis:Working well at this time but need more lab time as it was some what reduced due to covitd Action Plan:None  |

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| Outcome #10: Demonstrate the ability to check lighting systems | Assessment Measure:Assessment Measure:Written ExaminationStudents will be asked to show competence by kinesthetic demonstrationCriterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results: 25% passed with 90% of better38% passed with 80% -89%25%passed with 70-79%0%passed with 69-60%12% did not pass (no show )Criterion Met: Yes | Results Analysis:Working well at this time but need more lab time as it was some what reduced due to covitd Action Plan:None  |

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| Outcome #11: Demonstrate the ability to test heavy duty electrical systems | Assessment Measure:Assessment Measure:Written ExaminationStudents will be asked to show competence by kinesthetic demonstrationCriterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results: 25% passed with 90% of better38% passed with 80% -89%25%passed with 70-79%0%passed with 69-60%12% did not pass (no show )Criterion Met: Yes | Results Analysis:Working well at this time but need more lab time as it was some what reduced due to covitd Action Plan:None  |

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| Outcome #12: Know and demonstrate the ability to read electrical schematics. | Assessment Measure:Assessment Measure:Written ExaminationStudents will be asked to show competence by kinesthetic demonstrationCriterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results: 25% passed with 90% of better38% passed with 80% -89%25%passed with 70-79%0%passed with 69-60%12% did not pass (no show )Criterion Met: Yes | Results Analysis:Working well at this time but need more lab time as it was some what reduced due to covitd Action Plan:None  |

**Notes:**

**The Series and Parallel labs need to be re written as they didn’t align with our boards well. Some where very convoluted and didn’t support the goal we set forth in the syllabus**

I have reviewed this report:

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Department Chair Dean

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Vice President of Academic Affairs and Student Services

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