**Course Prefix, Number, and Title DT101 Academic Year: 2021/2022**

**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:  Know and demonstrate the safety precautions to be applied when working on engine systems and components | Assessment Measure:  Written Examination.  Students will be asked to show competence by kinesthetic demonstration  Criterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results:  15% passed with 90% of better  14% passed with 80% -89%  71%passed with 70-79%  0%passed with 69-60%  0% did not pass (no show )  Criterion Met: Yes | 1. We are back to more lab time as this is the only real way this class works. Fundamental can be taught via online but this class call for more hands one that what was given during the pandemic  Action Plan:  None at this time |
| Outcome #2:  Know and demonstrate basic engine principles. | Assessment Measure:  Written Examination.  Students will be asked to show competence by kinesthetic demonstration  Criterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results:  15% passed with 90% of better  14% passed with 80% -89%  71%passed with 70-79%  0%passed with 69-60%  0% did not pass (no show )  Criterion Met: Yes | 1. We are back to more lab time as this is the only real way this class works. Fundamental can be taught via online but this class call for more hands one that what was given during the pandemic  Action Plan:  None at this time |
| Outcome #3:  Know and demonstrate ability to locate sources of information related to operation and specifications for engine components | Assessment Measure:  Written Examination  Students will be asked to show competence by kinesthetic demonstration  Criterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results:  15% passed with 90% of better  14% passed with 80% -89%  71%passed with 70-79%  0%passed with 69-60%  0% did not pass (no show )  Criterion Met: Yes | 1. We are back to more lab time as this is the only real way this class works. Fundamental can be taught via online but this class call for more hands one that what was given during the pandemic  Action Plan:  None at this time |
| Outcome #4:  Know and demonstrate the ability to run engine overhead adjustments. | Assessment Measure:  Written Examination  Students will be asked to show competence by kinesthetic demonstration  Criterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results:  15% passed with 90% of better  14% passed with 80% -89%  71%passed with 70-79%  0%passed with 69-60%  0% did not pass (no show )  Criterion Met: Yes | 1. We are back to more lab time as this is the only real way this class works. Fundamental can be taught via online but this class call for more hands one that what was given during the pandemic  Action Plan:  None at this time |
| Outcome #5:  Know and demonstrate the ability to install cylinder liners. | Assessment Measure:  Assessment Measure:  Written Examination  Students will be asked to show competence by kinesthetic demonstration  Criterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results:  15% passed with 90% of better  14% passed with 80% -89%  71%passed with 70-79%  0%passed with 69-60%  0% did not pass (no show )  Criterion Met: Yes | 1. We are back to more lab time as this is the only real way this class works. Fundamental can be taught via online but this class call for more hands one that what was given during the pandemic  Action Plan:  None at this time |
| Outcome #6:  Know and demonstrate the ability to accurately measure engine components and compare to manufacture specifications | Assessment Measure:  Assessment Measure:  Written Examination  Students will be asked to show competence by kinesthetic demonstration  Criterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results:  15% passed with 90% of better  14% passed with 80% -89%  71%passed with 70-79%  0%passed with 69-60%  0% did not pass (no show )  Criterion Met: Yes | 1. We are back to more lab time as this is the only real way this class works. Fundamental can be taught via online but this class call for more hands one that what was given during the pandemic  Action Plan:  None at this time |

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| Outcome #7:  Demonstrate the ability to locate sources of information related to engine trouble shooting procedures | Assessment Measure:  Assessment Measure:  Written Examination  Students will be asked to show competence by kinesthetic demonstration  Criterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results:  15% passed with 90% of better  14% passed with 80% -89%  71%passed with 70-79%  0%passed with 69-60%  0% did not pass (no show )  Criterion Met: Yes | 1. We are back to more lab time as this is the only real way this class works. Fundamental can be taught via online but this class call for more hands one that what was given during the pandemic  Action Plan:  None at this time |
| Outcome #8:  Describe the type of work, career opportunities, and responsibilities of a Diesel Technician. | Assessment Measure:  Assessment Measure:  Written Examination  Students will be asked to show competence by kinesthetic demonstration  Criterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results:  15% passed with 90% of better  14% passed with 80% -89%  71%passed with 70-79%  0%passed with 69-60%  0% did not pass (no show )  Criterion Met: Yes | 1. We are back to more lab time as this is the only real way this class works. Fundamental can be taught via online but this class call for more hands one that what was given during the pandemic  Action Plan:  None at this time |

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| Outcome #9:  Describe the communication, listening, and speaking processes and their relationship to job performance | Assessment Measure:  Assessment Measure:  Written Examination  Students will be asked to show competence by kinesthetic demonstration  Criterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results:  15% passed with 90% of better  14% passed with 80% -89%  71%passed with 70-79%  0%passed with 69-60%  0% did not pass (no show )  Criterion Met: Yes | 1. We are back to more lab time as this is the only real way this class works. Fundamental can be taught via online but this class call for more hands one that what was given during the pandemic  Action Plan:  None at this time |

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| Outcome #10  Describe good reading and writing skills and their relationship to job performance. | Assessment Measure:  Assessment Measure:  Written Examination  Students will be asked to show competence by kinesthetic demonstration  Criterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results:  15% passed with 90% of better  14% passed with 80% -89%  71%passed with 70-79%  0%passed with 69-60%  0% did not pass (no show )  Criterion Met: Yes | 1. We are back to more lab time as this is the only real way this class works. Fundamental can be taught via online but this class call for more hands one that what was given during the pandemic  Action Plan:  None at this time |

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| Outcome #11  Describe the employment opportunities in industry and to enter industry. | Assessment Measure:  Assessment Measure:  Written Examination  Students will be asked to show competence by kinesthetic demonstration  Criterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results:  15% passed with 90% of better  14% passed with 80% -89%  71%passed with 70-79%  0%passed with 69-60%  0% did not pass (no show )  Criterion Met: Yes | 1. We are back to more lab time as this is the only real way this class works. Fundamental can be taught via online but this class call for more hands one that what was given during the pandemic  Action Plan:  None at this time |

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| Outcome #12  Explain the importance of critical thinking and how to solve problems. | Assessment Measure:  Assessment Measure:  Written Examination  Students will be asked to show competence by kinesthetic demonstration  Criterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results:  15% passed with 90% of better  14% passed with 80% -89%  71%passed with 70-79%  0%passed with 69-60%  0% did not pass (no show )  Criterion Met: Yes | 1. We are back to more lab time as this is the only real way this class works. Fundamental can be taught via online but this class call for more hands one that what was given during the pandemic  Action Plan:  None at this time |

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| Outcome #13  Explain the importance of social skills and identify ways good social skills are applied in industry | Assessment Measure:  Assessment Measure:  Written Examination  Students will be asked to show competence by kinesthetic demonstration  Criterion for achievement: Students demonstrate competence by presenting oral demonstrations in groups and individually and pass a written final | Results:  15% passed with 90% of better  14% passed with 80% -89%  71%passed with 70-79%  0%passed with 69-60%  0% did not pass (no show )  Criterion Met: Yes | 1. We are back to more lab time as this is the only real way this class works. Fundamental can be taught via online but this class call for more hands one that what was given during the pandemic  Action Plan:  None at this time |

**Notes:**

**The Move to standardizing the motors and tooling makes this class work well and much less confusing for the students resulting to better learnings/understanding of the curriculum. We are using a cat3204 for head removal and liner R&R. I am glad we are back in the labs as this class requires that. I think we are back to the high quality course it was before the shutdown/ online teaching**

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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