**Course Prefix, Number, and Title DT 101-1002 (90178) 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:  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:  25% passed with 90% of better  63% passed with 80% -89%  0%passed with 70-79%  0%passed with 69-60%  8% 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:  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:  25% passed with 90% of better  63% passed with 80% -89%  0%passed with 70-79%  0%passed with 69-60%  8% 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 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:  25% passed with 90% of better  63% passed with 80% -89%  0%passed with 70-79%  0%passed with 69-60%  8% 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:  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:  25% passed with 90% of better  63% passed with 80% -89%  0%passed with 70-79%  0%passed with 69-60%  8% 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 #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:  25% passed with 90% of better  63% passed with 80% -89%  0%passed with 70-79%  0%passed with 69-60%  8% did not pass (no show )  Criterion Met: Yes | Action Plan:  Need more tooling to do proper liner inhalation on new donated motors.  Working well at this time but need more lab time as it was some what reduced due to covitd  Action Plan:  Purchase tool as budget allows |
| 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:  25% passed with 90% of better  63% passed with 80% -89%  0%passed with 70-79%  0%passed with 69-60%  8% 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 |

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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:  25% passed with 90% of better  63% passed with 80% -89%  0%passed with 70-79%  0%passed with 69-60%  8% 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 #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:  25% passed with 90% of better  63% passed with 80% -89%  0%passed with 70-79%  0%passed with 69-60%  8% 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 |

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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:  25% passed with 90% of better  63% passed with 80% -89%  0%passed with 70-79%  0%passed with 69-60%  8% did not pass (no show )  Criterion Met: Yes | Action Plan:  Added to Wed Campus PPT and assignments to meet Learner outcomes (Done to align with Elko campus program) |

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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:  25% passed with 90% of better  63% passed with 80% -89%  0%passed with 70-79%  0%passed with 69-60%  8% did not pass (no show )  Criterion Met: Yes | Action Plan:  Added to Wed Campus PPT and assignments to meet Learner outcomes (Done to align with Elko campus program)  Action Plan:  None at this time as this has been done. |

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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:  25% passed with 90% of better  63% passed with 80% -89%  0%passed with 70-79%  0%passed with 69-60%  8% did not pass (no show )  Criterion Met: Yes | Action Plan:  Added to Wed Campus PPT and assignments to meet Learner outcomes (Done to align with Elko campus program)  Action Plan:  None at this time as this has been done. |

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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:  25% passed with 90% of better  63% passed with 80% -89%  0%passed with 70-79%  0%passed with 69-60%  8% did not pass (no show )  Criterion Met: Yes | Action Plan:  Added to Wed Campus PPT and assignments to meet Learner outcomes (Done to align with Elko campus program)  Action Plan:  None at this time as this has been done. |

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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:  25% passed with 90% of better  63% passed with 80% -89%  0%passed with 70-79%  0%passed with 69-60%  8% did not pass (no show )  Criterion Met: Yes | Action Plan:  Added to Wed Campus PPT and assignments to meet Learner outcomes (Done to align with Elko campus program)  Action Plan:  None at this time as this has been done. |

**Notes:**

**The Move to standardizing the motors and tooling maded the class much less confusing for the students resulting to better learnings/understanding of the curriculum. We have a Cat 3406 and a Cummins ISX that we can do liner R&R and need the proper tooling**

**To demonstrate and implement as a lab exercise. We aligned this syllabus to align with Elko program with the addition to imbedded business course.**

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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