Course Assessment - Part A: Your Plan

COMPLETE #754

Please select your course and name from the drop-down menu. If your course or name are incorrect or missing, contact the Curriculum and Assessment Administrative Assistant, 541-506-6037 or swade@cgcc.edu.

AMT271- Aviation Maintenance: Powerplant 1- Bryan Despain- Part A- Fall 2025

*** Part A: Your Plan DIRECTIONS 1. Choose three of your course outcomes to assess and report on this term (these will also be used in your Student Course Evaluation survey): Outcome #1**

Apply knowledge of construction and operation to the maintenance, repair and troubleshooting of aircraft reciprocating engines.
Inspect and repair a reciprocating engine
Understand construction characteristics of crankshaft and rod assembly
Analyze operation of thrust bearings and crankshaft bearings
Classify reciprocating engines and firing orders

*** Outcome #2**

Identify, analyze and apply strategies for applying the research of all current manufacturer service information, and other airworthiness requirements including airworthiness directives, prior to the maintenance, repair or overhaul of aircraft reciprocating engines.
Identify manufacturer engine service resources
Research FAA airworthiness requirements
Read and interpret service information and airworthiness requirements for application

*** Outcome #3**

Inspect and troubleshoot engine installations.
Check engine valve clearances
Perform compression check
Test operation of ignition system
Identify operating indications of a worn or weak engine.

Have you completed an assessment for this course prior to this term?

Yes

If yes, are you assessing different outcomes?

No

Comments:

This is my 3rd time around for presenting this class material. Let's see if the students' performance improves. . .

2. To which degree(s) or certificate(s) does your course map? Degree, Certificate, & Program Outcomes

Associate of Applied Science in Aviation Maintenance Technology

*** Method of Assessment 3. What methods will be used to assess individual student understanding of each of these outcomes? (Please be specific.) Outcome #1: Method to assess student understanding**

Writen exams, written reports and demonstration of use of tools and documents to reach conclusions.

*** Outcome #2: Method to assess student understanding**

Writen exams, written reports and demonstration of use of tools and documents to reach conclusions.

*** Outcome #3: Method to assess student understanding**

Writen exams, written reports and demonstration of use of tools and documents to reach conclusions.

*** 4. How will you know if you were successful in your efforts to teach this outcome? Outcome #1:**

Students successfully achieve passing scores above 70% on exams and project reports.

*** Outcome #2: How will you know if you were successful in your efforts to teach this outcome?**

Students successfully achieve passing scores above 70% on exams and project reports.

*** Outcome #3: How will you know if you were successful in your efforts to teach this outcome?**

Students successfully achieve passing scores above 70% on exams and project reports.

5. Instructor Questions: Create two course specific questions to be included on the Student Course Evaluation. Question #1

Students successfully achieve passing scores above 70% on exams and project reports.

Question #2

With the knowledge and skills developed thus far, are you confident that you can be successful in a working environment that requires the use of precision measuring tools and analytical analysis of reciprocating engines and their associated systems?

Do you require the names of students who complete the course evaluation survey? (Please note: names will be sent to instructors the Thursday before term ends)

NO

Reminder, when completing Part B, instructors will be asked the following questions: Describe anything you did to assist the institutional effort to support students in improving achievement of the specified criteria for the following Institutional Learning Outcomes (ILO): 1. ILO#1 - Communication - "Content Development" and/or "Control of Syntax and Mechanics" 2. ILO#2 - Critical Thinking/Problem Solving - "Evidence" and/or "identify strategies" 3. ILO#4 - Intercultural Knowledge and Competence - "Openness" (Encouraging our students to "Initiate and develop interactions with culturally different others") 4. ILO#5 - Community and Environmental Responsibility 5. ILO#3 - Quantitative Literacy - "Application/Analysis" and/or "Assumptions"

Bryan J Despain