
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.

AMT 271- Aviation Maintenance Powerplant 1- Bryan Despain- Fall 2023

*** 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**

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**

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**

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?

No

If yes, are you assessing different outcomes?

No

Comments:

This is the first time around for this course to be presented at CGCC through the AMTS. We'll see how it goes

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

Associate of Applied Science in Aviation Maintenance Technology, Aviation Maintenance Technology Certificate

* 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

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

* Outcome #2: Method to assess student understanding

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

* Outcome #3: Method to assess student understanding

Written 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

After participation in this course, do you feel that you have a strong enough understanding of the theory, principles and practices to successfully enter the workforce in these areas and be able to continue to learn and develop the skills necessary to be

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 - Cultural Awareness - "Openness" (Encouraging our students to "Initiate and develop interactions with culturally different others") 4. ILO#5 - Community and Environmental Responsibility - "Understanding Global Systems" and/or "Applying Knowledge to Contemporary Global Contexts" 5. ILO#3 - Quantitative Literacy - "Application/Analysis" and/or "Assumptions"

Bryan J. Despain