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AMT 193- Aviation Maintenance: General 103- Tyson Alrich- Winter 2024

* 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 electrical theory to aircraft systems and components.

* Outcome #2

Identify and apply the factors affecting voltage, resistance and current to aircraft electrical circuits

* Outcome #3

Measure and calculate electrical power.

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

No

If yes, are you assessing different outcomes?

No

Comments:

(No response)

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

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

In order to assess the students understanding of the material Students will have quizzes, practical projects and will be asked to participate in in class discussions. All quizzes, projects and final exam must be passed with at least a 70% score.

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

Students will have quizzes, practical projects and will be asked to participate in in class discussions. All quizzes, projects and final exam must be passed with at least a 70% score.

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

Students will have quizzes, practical projects and will be asked to participate in in class discussions. All quizzes, projects and final exam must be passed with at least a 70% score.

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

A successful outcome will be judged by having all students pass the course with a grade of 70% or above, and pass all quizzes and exams with the same 70% (or above) score

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

A successful outcome will be judged by having all students pass the course with a grade of 70% or above, and pass all quizzes and exams with the same 70% (or above) score

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

A successful outcome will be judged by having all students pass the course with a grade of 70% or above, and pass all quizzes and exams with the same 70% (or above) score

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

How does resistance within a conductor (wire) change with respect to change in length, guage, or ambient temprature? How would you find this infromation, and where?

Question #2

Before installing an electrical component, or changing an electrical component on an aircraft what must be done in order to assure the installation is legal, safe and conforming with the FAR's?

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"

(No response)