

CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

AMT 160 Airframe Inspection

Course Description: A course on inspection of airframes and sheet metal structures, repair of sheet metal structures, and conformity inspections on rotor and fixed wing aircraft.

Prerequisites(s): AMT 105 and AMT 115

Corequisite(s): No corequisite

Lecture Hours: 1	Lab Hours: 3	Credit Hours: 2
Lab Fee: 150	Supplemental Fee: 0	Purpose:
<input type="checkbox"/> Transfer Assurance Guide Course (TAG)		<input type="checkbox"/> Transfer Module Course (TM)
Course Format: Lec/Lab		Grading: A/B/C/D/F/I
Delivery Method: Classroom		
Semesters Offered: Summer - Days, Fall - Evenings		

Course Primary Text:

Title: Aircraft Maintenance and Repair	Edition: 7th
Author(s): Kroes, Watkins, and Delp	
Publisher: Glencoe	

Supplemental Materials:

Advisory Circular (43.13-1B), U.S. Department of Transportation, Federal Aviation Administration
FAA 8083-31A, U.S. Department of Transportation, Federal Aviation Administration

Course Outcomes:

1	Students will perform airframe conformity and airworthiness inspection.
2	Students will inspect and repair plastics, honeycomb and laminated structures.
3	Students will inspect, check, service and repair window, doors, and interior furnishings.
4	Students will start, perform ground operation procedures, move, service, and secure aircraft.
5	Students will inspect and service batteries.
6	Students will complete maintenance forms, records, and inspection reports.
7	Students will perform aircraft cleaning and corrosion control.
8	Students will evaluate damage to determine needed repairs for two sheet metal failures.
9	Students will inspect stressed aircraft structure members with known critical loading.
10	Students will determine the type of corrosion protection needed for each of several different pairs of dissimilar metals.

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Course Topics:

Course booklet with FAA approved practical projects and course lectures is located in the AMT Offices at the Cincinnati State West Campus.

Methods of Evaluation/Assessment

Tests
Quizzes
Lab Projects
Lab & Class Participation
Attendance

Course Keeper: Gary Goodpaster

Date Completed: April 01, 2019