

CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

AMT 145 Airframe Electronic Systems

Course Description: A course on aircraft instrument systems and communication and navigation systems.

Prerequisites(s): AMT 105 and AMT 110

Corequisite(s): No corequisite

Lecture Hours: 2	Lab Hours: 1	Credit Hours: 2
Lab Fee: 50	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 Electricity & Electronics	Edition: 5th
Author(s): Eismin	
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 remove and tag three instruments from a mock-up or aircraft.
2	Students will prepare instruments for storage or shipment.
3	Students will install instruments in a mock-up or aircraft and record in maintenance records.
4	Students will install shock mounts into an instrument panel of an aircraft or mock-up.
5	Students will replace an antenna and related electronic equipment in an aircraft or mock-up.
6	Students will repair an antenna installation.
7	Students will identify and explain the operation of carbon wick static dischargers.
8	Students will inspect carbon wick static dischargers and record the results in maintenance records.
9	Students will identify and explain the operation of metallic braid static dischargers.
10	Students will inspect a metallic braid static discharger and record results in maintenance records.

Course Topics:

Course booklet with FAA approved practical projects and course lectures is located in the AMT Offices at the
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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