

CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

AMT 271 Avionics 1

Course Description: Avionics 1 is designed to instruct the student in advanced DC and AC circuit analysis as they apply to aircraft systems and to help the student prepare to test for the Aircraft Electronics Technician rating.

Prerequisites(s): No Prerequisite

Corequisite(s): No corequisite

Lecture Hours: 3	Lab Hours: 2	Credit Hours: 4
Lab Fee: 100	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: Spring – Days, Fall – Nights		

Supplemental Materials:

Avionics: Fundamentals of Aircraft Electronics, Kenney, Avotek, 1st Edition

Course Outcomes:

1	Troubleshoot series circuits
2	Troubleshoot parallel circuits
3	Determine Capacitive Reactance
4	Determine Inductive Reactance
5	Use an oscilloscope to measure AC circuit parameters

Course Topics:

This course follows the Nida computer based training system and uses the 130E Trainer with appropriate experiment cards.

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Methods of Evaluation/Assessment

Tests
Quizzes
Lab Projects
Lab & Class Participation
Attendance

Course Keeper: Gary Goodpaster

Date Completed: April 01, 2019