

CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

AMT 215 Aircraft Propellers

Course Description: A course that uses FAA-approved instruction for concepts and techniques in removal, installation, inspection, and repair of fixed and variable pitch aircraft propellers and propeller governing systems.

Prerequisites(s): AMT 105 and AMT 115

Corequisite(s): No corequisite

Lecture Hours: 2	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: <input type="checkbox"/> Web	<input type="checkbox"/> Hybrid	<input type="checkbox"/> Classroom
Semesters Offered: <input type="checkbox"/> Fall	<input type="checkbox"/> Spring	<input type="checkbox"/> Summer

Course Primary Text:

Title: Aircraft Powerplants	Edition: 8th
Author(s): Kroes and Wild	
Publisher: Glencoe	

Supplemental Materials:

FAA Advisory Circular 43.13-1B

Course Outcomes:

1	Students will identify and select propeller lubricants.
2	Students will identify the parts of a propeller.
3	Students will disassemble and reassemble a propeller governor, and a counterweighted propeller.
4	Students will remove and reinstall a propeller governor, a fixed pitch propeller, and a constant speed propeller.
5	Students will check the blade angle of a fixed pitch propeller.
6	Students will adjust the blade angle of a ground adjustable propeller.
7	Students will describe the operation and control of a counterweight propeller, and a turbine propeller.
8	Students will operate an engine/propeller through full range of blade angles.
9	Students will repair a pressure indicating system.
10	Students will install and check operation of a flex drive tachometer.

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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

Lab Projects/Quizzes
Lab/Class Participation
Tests

Course Keeper: Jeffrey Wright

Date Completed: March 27, 2019