AMT 201 Powerplant Maintenance 1

Course Description: A course that uses FAA-approved instruction for concepts and techniques in inspection and repair of radial engines; overhaul of reciprocation engines; and inspection, check, service and repair of reciprocating engines and engine systems.

Prerequisites(s): AMT 100 and AMT 105 **Corequisite(s):** No corequisite

Lecture Hours: 6	Lab Hours: 4	Credit Hours: 8
Lab Fee: 200	Supplemental Fee: 0	Purpose:
☐ Transfer Assurance Guide Course (TAG)	☐ Transfer Module Course (TM)	
Course Format: Lec/Lab	Grading: A/B/C/D/F/I	
Delivery Method: □ Web	□ Hybrid	□ Classroom
Semesters Offered: □ Fall	□ Spring	□ Summer

Course Primary Text:

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

Supplemental Materials:

FAA Advisory Circular 43-13-1B
Aviation Maintenance Technology Handbook – Powerplant, Volume 1 and 2, FAA-H-8083-32

Course Outcomes:

1	Students will clean a reciprocating engine.
2	Students will prepare a reciprocating engine for overhaul.
3	Students will disassemble a reciprocating engine.
4	Students will clean reciprocating engine parts.
5	Students will inspect a reciprocating engine.
6	Students will inspect and test a reciprocating engine zero-lash valve lifter.
7	Students will perform a visual inspection of a plain bearing, ball bearing, roller bearing and a needle bearing.
8	Students will perform a dimensional inspection on a plain bearing, ball bearing, roller bearing and a needle bearing.
9	Students will repair components.
10	Students will clean and inspect crankcases.

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