



AVT 1213 Corrosion

Scot Pembleton

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OFFICE HOURS

Miami Valley CTC Wednesday and Thursday 4:30 pm to 5:30 pm, Saturday 8:00 am to 9:00am.

Also by appointment at the Sinclair Dayton Campus Building 13 Room 210.

COURSE DESCRIPTION

Causes of corrosion, the chemical process, types of corrosion, locations susceptible to corrosion, detecting corrosion, removing and treating corrosion, cleaning of the interior and exterior of the airplane, polishing windshields and windows and paint removal and protection of bare surfaces. Two classroom, two lab hours per week.

OBJECTIVES

- Aircraft preparation for washing, general aircraft cleaning (washing) procedures
- Post cleaning (washing) procedures
- Corrosion theory
- Types/effects of corrosion
- Conditions that cause corrosion
- Corrosion prone areas in aircraft
- Corrosion preventive maintenance procedures
- Inspection for and identification of corrosion in any of its various forms
- Corrosion removal and treatment procedures
- Use of Material Safety Data Sheets (MSDS)
- Demonstrates the ability to inspect for and identify two or more of the various forms of corrosion that affect aircraft
- Demonstrates the ability to perform at least one of the following:
- Identify and select materials used to clean interior and/or exterior surfaces according to aircraft manufacturer's instructions
- Corrosion removal from any of the metals commonly used in aircraft
- Preventive corrosion treatment on any of the metals commonly used in aircraft
- Identify and select appropriate corrosion preventive methods and materials for a specific aircraft application



TEXTS and MATERIALS

FAA-H-8083-30-(9ATB) General Aviation Maintenance Technician Handbook and Workbook

ASSIGNMENTS

09/01/2012, First Day,
09/08/2012, Lab Sheet G3A
09/15/2012, Lab Sheet G6B
09/22/2012, Lab Sheets G9A and G11B
09/29/2012, Lab Sheets G14C
10/06/2012, Work Book Chapter 6 Pages 43 and 44
10/13/2012, Review for Mid Term Exam
10/20/2012, Mid Term Exam, Work Book Chapter 6 Pages 45 and 46
10/27/2012, Work Book Chapter 6 pages 47-50
11/03/2012, Lab Sheets G17D
11/10/2012, Lab Sheets G19E
11/17/2012, Lab
11/24/2012, Thanks Giving Holiday
12/01/2012, Lab Sheets G21F
11/08/2012, All Lab Sheets Due, Work Book Due, and Review for Final Exam
11/15/2012, Final Exam

ATTENDANCE POLICY

- Class starts at 12:30pm and ends at 5:00pm
- Break time will be given at 2:30pm and 4:00pm
- Students are expected to be on time and all time missed will have to be made up

CLASSROOM RULES OF CONDUCT

- Drinks will be allowed in the classroom
- No food will be allowed in the classroom, eating will be in the shop area.
- Students will show respect for others in the classroom and will not use cell phones or other electronic media during class. In addition, a student who disrupts instruction will be asked to leave the classroom and will lose participation points for the day/week and will have to make up the time
- Students are expected to clean up after one selves, shop area and classroom.
- No Smoking is allowed on School grounds, not even in one's car.

