

WEST LOS ANGELES COLLEGE
AVIATION MAINTENANCE TECHNOLOGY

COURSE TITLE: : Inspection and Evaluation

COURSE NUMBER(S): AMT 23 & 24

SECTION NUMBER(S): 6123/6124

CLASS HOURS: 4:45-8:10, 8:10-10:25

CLASS ROOMS: AT B 120, AT B 203

INSTRUCTOR: Martin Nee

OFFICE: ATB 124

OFFICE HOURS: Monday – Thursday 3:45 – 4:45

PHONE NUMBER: 310 287 7282

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Disabled Students Programs & Services

DSP&S opens doors for students with special physical, communication or learning needs. DSP&S students may qualify for: priority registration assistance, special parking permits, sign language, interpreters and assistive technology.

Students with disabilities who believe they may need accommodations in this class are encouraged to contact Disabled Students Programs and Services located in Heldman Learning Resources Center 119, phone number 310 287 4450 as soon as possible to better ensure such accommodations are implemented in a timely fashion.

Prerequisites/Co-requisites: None

COURSE AMT 23 & AMT 24

AMT 23: Inspection and Evaluation

AMT 24: Inspection and Evaluation Lab

COURSE OBJECTIVES:

Course numbers AMT 23 and AMT 24 provide the instructional material required by the following FAR 147 curriculum subject area:

- Appendix C(I)(g) Airframe Inspection
- Appendix D(I)(c) Engine Inspection
- (Additional Subjects as Noted Below)*

COURSE SUBJECT AND HOUR REQUIREMENTS

These courses provide instruction in the following subject areas. Scheduled hours are listed.

<u>SUBJECT TITLE</u>	<u>TOTAL HOURS</u>	<u>SCHEDULED HOURS</u>	
		<u>CLASS</u>	<u>LAB</u>
Airframe Inspection	90	36	54
Engine Inspection	90	36	54
Total	180	72	108

TEXTBOOKS AND INFORMATION RESOURCES

The following texts are considered necessary reference for student technical and laboratory work.

<u>Textbook</u>	<u>Author or Publisher</u>
<u>A.C.65-12 (or equivalent textbooks and workbooks, as are currently available)</u>	Department of Transportation Federal Aviation Administration
<u>A.C.65-15A (or equivalent textbooks and workbooks, as are currently available)</u>	Department of Transportation Federal Aviation Administration
<u>A.C.43.13-1B</u> <u>14 CFR Part 43</u>	Department of Transportation Federal Aviation Administration
<u>Federal Aviation Regulations for</u> <u>Aviation Maintenance Technicians</u>	Department of Transportation Federal Aviation Administration

EQUIPMENT AND MATERIALS

Airframe Inspection

- Complete Aircraft
- Aircraft Maintenance Manuals
- Type Certificate Data Sheets
- Aircraft Inspection Tools

Engine Inspection

- Aircraft or Mockup with Complete Engine Installation
- Engine Maintenance Manuals
- Type Certificate Data Sheets
- Aircraft Inspection Tools

CURRICULUM OUTLINE AMT 23

TEACHING SEGMENTS

SEG FAR 147 Subject

Segment Titles

- | SEG | FAR 147 Subject | Segment Titles |
|-----|---|--------------------------------------|
| 1. | Airframe Inspection | Regulations for Periodic Inspections |
| 2. | Airframe Inspection
Periodic Inspections | Forms, Records and Publications for |
| 3. | Airframe Inspection | Inspection Techniques |
| 4. | Engine Inspection | Regulations for Periodic Inspections |
| 5. | Engine Inspection
Periodic Inspections | Forms, Records and Publications for |
| 6. | Engine Inspection | Inspection Techniques |

CURRICULUM OUTLINE AMT 24

LAB PROJECT SEGMENTS

SEG FAR 147 Subject

Segment Titles

- | | | |
|----|--|---------------------------------|
| 1. | Airframe Inspection
Airworthiness Inspections | Perform Airframe Conformity and |
| 2. | Engine Inspection
Airworthiness Inspections | Perform Engine Conformity and |

Instructional Methods:

Lectures, video presentation, powerpoint presentation, handouts and class discussion.

FAA required lab projects to be completed using aircraft manuals and procedure sheets.

METHOD OF EVALUATION

Standardised Tests, Observation Record of Student Performances, Quizzes, Problem-Solving Exercises, Skills Demonstration, Class Participation, Final Exam.

GRADE PROCEDURE

100-95=A

94-90=B

89-85=C

84-70=D

69 AND BELOW = FAIL

A GRADE OF "C" OR BETTER IS REQUIRED FOR FAA CREDIT.

A GRADE OF "D" OR BETTER GETS YOU COLLEGE CREDIT.

ATTENDANCE POLICY

ROLL WILL BE TAKEN

THERE IS A STRONG CORRELATION BETWEEN ATTENDANCE AND GRADES POOR ATTENDANCE GOES ALONG WITH POOR GRADES.

YOU ARE RESPONSIBLE FOR INFORMATION, EXAMS, DATE CHANGES ETC. PRESENTED IN CLASS WHETHER YOU ARE PRESENT OR NOT.

TO MEET THE CODE OF FEDERAL REGULATIONS (14 PART 147) RELATED TO ATTENDANCE A STUDENT CAN NOT MISS MORE THAN **THREE (3) DAYS** OUT OF LECTURE OR LAB. ANY TIME BEYOND, WERE THE TOTAL ATTENDANCE ADDS UP TO MORE THAN THREE DAYS, WILL HAVE TO BE MADE UP. ANY TIME BEYOND **FIVE (5) DAYS** THE INSTRUCTOR HAS THE RIGHT TO EXCLUDE A STUDENT FROM THE CLASS AT

HIS OR HER DISCRETION. THIS LAST ITEM MEETS WEST LOS ANGELES COLLEGE CATALOG ON ATTENDANCE.

TIME CAN BE MADE UP BUT IT IS AT THE SOLE DISCRETION OF THE INSTRUCTOR, AND THE INSTRUCTOR IS NOT REQUIRED TO ALLOW YOU MAKE UP TIME. IF THE INSTRUCTOR HAS AGREED UPON GIVING YOU AN INCOMPLETE (I), IN ORDER FOR MAKE UP, THE STUDENT SHALL READ THE RULE GOVERNING INCOMPLETE GRADES IN THE COLLEGE CATALOG.

ADD SLIPS MUST BE COMPLETED AND PROCESSED WITH ADMISSIONS BY THE END OF THE FIRST WEEK OF CLASS. IF YOU FAIL TO DO SO YOU WILL BE TERMINATED FROM THE CLASS.

INCOMPLETE GRADE

WHEN COURSE REQUIREMENTS BY THE CLASS HAS NOT BEEN MEET THE INSTRUCTOR AT HIS OR HER DISCRETION MAY ISSUE AN INCOMPLETE GRADE AT THE END OF THE CLASS. THE STUDENT UPON FINDING OUT THAT AN INCOMPLETE HAS BEEN ISSUED **SHALL** READ THE COLLAGE CATALOG GOVERNING THE REMOVAL OF AN INCOMPLETE GRADE.

WITHDRAWAL FROM CLASS

IT IS THE STUDENTS RESPONSIBILITY TO KEEP THEIR ENROLLMENT STATUS CURRENT WITH THE ADMISSIONS OFFICE. IF YOU STOP ATTENDING A CLASS YOU MUST FILE A WITHDRAWAL WITH THE ADMISSIONS OFFICE FAILURE TO DO SO WILL RESULT IN AN **AF@** GRADE IN YOUR RECORDS.

CHEATING--ACADEMIC DISHONESTY

EACH STUDENT IS EXPECTED TO DO HIS/HER OWN WORK. A STUDENT CAUGHT CHEATING WILL RECEIVE A GRADE OF **AF@** ON THAT ASSIGNMENT, AND REPORTED TO THE DEAN OF STUDENTS WHO MAY WANT TO TAKE FURTHER ACTION. A SECOND OFFENSE WILL RESULT IN DISCIPLINARY ACTION BY THE INSTRUCTOR WHICH CAN INCLUDE FAILURE IN THE COURSE AND/OR DISMISSAL FROM THE COLLEGE.

SAFETY RULES

Eye protection is required by each student and must be worn at all times in lab when working on any project/operating machinery.

Loose clothing may not be worn in labs as it constitutes a safety hazard.

Shoes must be worn in all lab classes. Sandals and open toe shoes are not acceptable in labs.

RECOMMENDATIONS FOR STUDENT SUCCESS

1. BE IN CLASS EVERY DAY, ON TIME, AND STAY FOR THE ENTIRE TIME.
2. BE PREPARED TO WORK, AND HAVE YOUR TOOLS WITH YOU.
3. LEARN TO BE ORGANIZED
4. STUDY AND REVIEW FOR EACH DAY
5. KEEP UP IN THE WORKBOOKS AND DO NOT FALL BEHIND.
6. FIND SOMEONE IN THE CLASS YOU CAN CALL IF YOU MISS A CLASS SO YOU
KNOW WHAT IS HAPPENING WITH THE CLASS.
7. IF YOU DO NOT KNOW, ASK. REMEMBER THE ONLY STUPID QUESTION IS THE
THE ONE YOU DID NOT ASK!!!!!!