

**ENGINEERING AND TECHNOLOGY EDUCATION DEPT.
SEMESTER COURSE SYLLABUS
SPRING 2009**

AV 2420 - Regulations, Records, & Certification

2 credits

Instructor: Charles B. Larsen

I. Catalog Description

Maintenance forms, records, and regulations releasing aircraft to airworthy status. Certification of maintenance technicians is also included.

II. Course Objectives

The objective of this course is to have each student learn the proper use of F.A.R. pertaining to aircraft maintenance and return to service procedures. Upon completion, each student will be able to achieve the level of proficiency indicated by the number in parenthesis.

Teaching Level:

A. MECHANIC PRIVILEGES AND LIMITATIONS

- (3) 1. Exercise Mechanic Privileges within the Limitations Prescribed by FAR Part 65, Part 1, Part 43, Part 91
- (2) 2. Federal Aviation Regulations Part 13, Part 21, Part 33, Part 39, Part 45, Part 47
- (2) 3. Federal Aviation Regulations Part 125, Part 135, and Part 145

B. MAINTENANCE FORMS AND RECORDS

- 1. Write Descriptions of Aircraft Condition and Work Performed

Laboratory Projects

Teaching Level:

- (3) 1. Exercise Mechanic Privileges with the Limitations Prescribed by Part 65 of the FAR's
- (3) 2. Write Descriptions of Aircraft Condition and Work Performed
- (3) 3. Complete Required Maintenance Forms, Records, and Inspection Reports

III. Text

ASA FAR/AMT

Jeppesen Advisory Circular 43.13

Aviation Mechanic – Practical Test Standards (FAA-S-8081)

IV. Grades

Determined by the total points of examinations, quizzes, and lab assignments. At least two major exams will be given.

90% - 100%	=	A
80% - 89%	=	B
70% - 79%	=	C
60% - 69%	=	D
Below 59%	=	F

V. Examination Schedule

Quizzes/Assignments	200 points
Midterm	300 points
Final	<u>500 points</u>
Total	1,000 points

VI. Attendance

Each student is expected to be in attendance for the full lecture and all labs held. Students coming late or leaving early will be graded accordingly with all tardiness and absences recorded. Federal Aviation Certification requires full attendance. If an absence becomes necessary due to illness, etc., make-up arrangements should be made with the instructor immediately. Use of the laboratory for make-up may require a fee. A minimum of 61 clock hours are required in this course. An additional 20 clock hours are required in the associated labs AV 2420A and AV 2420P.

VII. Accommodation for Persons With Disabilities

If a student has a disability that will likely require some accommodation by the instructor, the student must contact the instructor and document the disability through the Disability Resource Center, preferably during the first week of the course. Any requests for special considerations relating to attendance, pedagogy, taking of examinations, etc., must be discussed with the instructor. In cooperation with the Disability Resource Center, course materials can be provided in alternative formats -- large print, audio, diskette, or Braille.

VIII. AV 2420A & 2420P

Objective: Prepare prospective A & P Technicians for FAA written, oral and practical tests.

Outline:

1. Review each section of the applicable license requirement
2. Review FAA written test study guide - applicable sections
3. Review oral test requirements
4. Review practical test requirements and procedures
5. Complete qualification tests.

IX. Certification Procedure

1. Complete course record form
2. Complete necessary qualification tests
 - a. General test - 90% passing
 - b. Airframe test - 90% passing
 - c. Powerplant test - 90% passing