

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

COURSE TITLE: AIR REGULATIONS

CODE NO: ASR112

SEMESTER: II

PROGRAM: AIRCRAFT STRUCTURAL REPAIR TECHNICIAN

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APPROVED: *S.P. Chazotte*
Dean, School of Engineering Tech.

94-02-10
Date

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TOTAL CREDIT HOURS: 30 HOURS (2 CREDITS)

PREREQUISITE(S):

I. PHILOSOPHY/GOALS:

In this course students will be introduced to the various sections found in the Department of Transport air regulatory library. Sections 501, 571, 573 and 575 will be studied and discussed to give the student a clear understanding of the procedures that must be adhered to in the Aviation Maintenance Industry. Logbook entries and Airworthiness Publications will be studied. Approved Maintenance Organizations will be researched.

II. STUDENT PERFORMANCE OBJECTIVES:

Upon successful completion of this course the student will:

Discuss D.O.T. regulations as they pertain to structural repairs.

Describe aircraft publications as they apply to structural repairs.

Discuss and complete log book entries.

III. TOPICS TO BE COVERED:

1. Air regulations
2. Aeronautical publications
3. Aircraft logbooks

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IV. LEARNING ACTIVITIES

1.0 Air Regulations

Upon successful completion of this unit the student will be able to:

- 1.1 Discuss the purpose for Air Regulations as they pertain to aircraft safety.
- 1.2 Describe how to access the airworthiness manual to obtain information about a specific publication.
- 1.3 Discuss A.M.O. organizations and the requirements as per D.O.T. regulations.
- 1.4 Describe the purpose of Maintenance Control Manual.
- 1.5 Discuss weight and balance control as per air regulations.
- 1.6 Identify abbreviations used in air regulation chapters.

2.0 Aeronautical Publications

Upon successful completion of this unit the student will be able to:

- 2.1 Discuss various publications needed for the safe operation of aircraft and related equipment.
- 2.2 Discuss the importance of aeronautical publication.
- 2.3 Describe the difference between a service bulletin and an Airworthiness Directive.
- 2.4 Discuss Federal Aviation Regulations.
- 2.5 Identify who is responsible for issue of service bulletins and other publications.

REQUIRED RESOURCES

Teacher Handouts.
Textbook: A/C 65-9A
Chapter X, pg. 464-468

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LEARNING ACTIVITIES

3.0 Aircraft Log Books

Upon successful completion of this unit the student will be able to:

- 3.1 Identify both Journey and Technical Log books.
- 3.2 Discuss what information should be entered in both log books.
- 3.3 Describe all the various sections of the Technical Log books.
- 3.4 Identify where Service Bulletins completion can be verified using the Technical Log book.
- 3.5 Describe how to make maintenance entries into each of the two logbooks.

REQUIRED RESOURCES

Textbook: A/C 65-9A
Chapter X, pg. 463
Teacher Handouts.

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V. EVALUATION METHODS: (INCLUDES ASSIGNMENTS, ATTENDANCE REQUIREMENTS ETC.)

One written test - 100%

Grading will be as follows:

A = 90% - 100%

B = 80% - 89%

C = 70% - 79%

I = Incomplete

VI. REQUIRED STUDENT RESOURCES

A & P General textbook - A/C 65-9A
Teacher handouts

VII. ADDITIONAL RESOURCE MATERIALS AVAILABLE IN THE COLLEGE LIBRARY:

Book Section (title, publisher, edition, date, library call number if applicable - see attached example)

Periodical Section (Magazines, Articles)

Audiovisual Section (Films, Filmstrips, Transparencies)

VIII. SPECIAL NOTES

Students with special needs (eg. physical limitation, visual impairments, hearing impairments, learning disabilities) are encouraged to discuss required accommodations confidentially with the instructor.

Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of the students.

