

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE MARIE, ON



COURSE OUTLINE

Course Title: Meteorology

Code No.: AVT 225

Semester: six (6)

Program: Aviation Technology (Flight)

Author: Louis St Pierre

Date: October 1997

Previous Outline Date: March 1986

Approved:

K. DeRosario
Dean

Oct. 3/97
Date

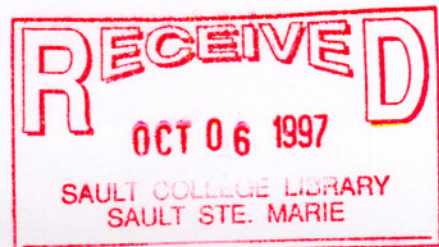
Total Credits: 3

Prerequisite(s): AVT 205

Length of Course:

16 weeks Total Credit Hours: 32 periods

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For additional information, please contact Kitty DeRosario, Dean, School of Trades
& Technology, (705) 759-2554, Ext. 642.



I. COURSE DESCRIPTION:

To teach the theory and practice of Aviation Technology, with emphasis on the meteorological knowledge required for the Instrument rating.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

(Generic Skills Learning Outcomes placement on the course outline will be determined and communicated at a later date.)

Upon successful completion of this course the student will demonstrate the ability to:

- 1) complete the meteorology portion of the Instrument Rating Exam, written in semester 7

Potential Elements of the Performance:

Fundamentals of weather, Icing, Turbulence, Thunderstorms, Aviation Weather Reports,

Aviation forecasts, Weather maps and prognostic charts, Weather interpretation

III. TOPICS:

- 1) Meteorology for IFR

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

Air Command Weather Manual

Study and Reference Guide for the Instrument Rating

V. EVALUATION PROCESS/GRADING SYSTEM

The student will be assessed by tests. Weighting of each test will be 50 % for all tests prior to the final and 50 % for the final exam.

GRADE:

- A+ - 93 - 100%
- A - 87 - 92%
- B - 80 - 86%
- C - 70 - 79%
- R - Below 70%

- **In the event of a failure of a test, the highest grade achievable will be a "C". Failure of two or more tests will result in an "R" Grade.**
- Students may request a deferment of a test for compassionate reasons. Compassionate Grounds for deferment will include but not be limited to death of an immediate family member, personal illness, or recent diagnosis of a serious illness of a family member. **Rewrites will not be permitted after the fact for compassionate reasons.**
- **"R" grades in any subject at the end of a semester will result in termination from the program. Rewrites in aviation subjects are not permitted except as provided in the re-write policy below.**
- Attendance is mandatory for all Aviation classes unless approval is granted in advance.
- Although attitude, co-operation, etc., are not graded, students may be terminated based on their performance in this area. These attributes are also considered in the selection of the Air Canada Award and other scholarships.
- Dates of tests will be announced at least 1 week in advance.

VI. SPECIAL NOTES:

RE-WRITE POLICY

- No re-writes on mid-term tests.
- An individual test of AVT 225 may be re-written in the event of a failure provided the overall semester average is 70% or greater and the failed test is within 5% of a pass. (i.e. 65% or above) If more than one section is failed, re-writes will not be permitted. The re-written section will be averaged with the failed section to determine the resulting mark which must be 70% or above to pass.
- No re-writes on any D.O.T. exam.
- Special Needs
If you are a student with special needs (eg. physical limitations, visual impairments, hearing impairments, learning disabilities), you are encouraged to discuss required accommodations with the instructor and/or contact the Special Needs Office, Room E1204, Ext. 493, 717, 491 so that support services can be arranged for you.
- Retention of Course Outlines

COURSE NAME Meteorology

COURSE NUMBER AVT 225

It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other post-secondary institutions.

- Substitute Course Information is available at the Registrar's Office.

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

VII. PRIOR LEARNING ASSESSMENT

Students who wish to apply for advanced credit in the course should consult the instructor. Credit for prior learning will be given upon successful completion of the following: