

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



COURSE OUTLINE

**Course Title: INSTRUMENT PROCEDURES AND FLIGHT
OPERATIONS**

Code No.: AVT 235

Semester: SEVEN (7)

Program: AVIATION TECHNOLOGY (FLIGHT)

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Previous Outline Date: JAN. 1994

Approved:

K. DeRosario
Dean

Jan 14/99
Date

Total Credits: 2

Prerequisite(s): AVT226

Length of Course: 16 weeks Total Credit Hours: 32

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

I. COURSE DESCRIPTION:

AVT 235 completes the essential background knowledge required to operate aircraft under instrument flight rules in Canada. You will also be introduced to the advanced flight operations required in the North Atlantic.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

- 1) safely, professionally and competently operate in Canada's instrument flight rule airspace system

Potential Elements of the Performance:

- IFR flight planning, rules and procedures
- use of navigation charts (low en route and terminal)
- Canada Air Pilot
- A.I.P.
- IFR aviation meteorology

- 2) achieve a sufficient level of knowledge to be qualified to write the written portion of the test for the issuance of an endorsement to operate in Canada's instrument rule airspace system (instrument rating).

Potential Elements of the Performance:

- IFR publications
- IFR instruments
- IFR general procedures
- IFR planning, departures, enroute and arrivals
- IFR aviation meteorology

- 3) pass Transport Canada's Instrument Rating Exam.

Potential Elements of the Performance:

INRAT

III. TOPICS:

- 1) Introduction
- 2) Instrument Flight Rules - review of general rules, departures, enroute procedures, arrival and approach procedures (preparation for the INRAT)
- 3) Emergencies
- 4) North Atlantic Operations

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

Instrument Procedures Manual
 A.I.P.
 Jeppeson Computer
 Enroute Low Altitude - LO 3&4
 Canada Air Pilot - CAP 4

Terminal Area Charts
Canada Flight Supplement

V. EVALUATION PROCESS/GRADING SYSTEM

The student will be assessed by tests. Weighting of each test will be 50 % for all tests including the qualifier and 50 % for the INRAT.

GRADE:

A+ - 93 - 100%

A - 87 - 92%

B - 80 - 86%

C - 70 - 79%

R - Below 70%

- 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. Re-writes 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.

RE-WRITE POLICY

- No re-writes on mid-term tests.
- The qualifier exam of AVT 235 may be re-written in the event of a failure provided the semester average is 70% or greater and the failed qualifier exam is within 5% of a pass. (i.e. 65% or above). The re-written qualifier exam will be averaged with the failed qualifier exam to determine the resulting mark which must be 70% or above to be recommended to write the INRAT.

VI. SPECIAL NOTES:

- **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**
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.
- **Disclaimer for Meeting the Needs of the Learners**

VII. PRIOR LEARNING ASSESSMENT

There will be no advanced credit given for this course.

RE-WRITE POLICY

- The qualifier exam of AVT 235 may be re-written in the event of a failure provided the semester average is 70% or greater and the failed qualifier exam is within 85% of a pass (i.e. 65% or above). The re-written qualifier exam will be averaged with the failed qualifier exam to determine the resulting mark which must be 70% or above to be recommended to write the final.
- Dates of tests will be announced at least 1 week in advance.
- Although attitude, co-operation, etc., are not graded, students may be terminated from the program. Re-writes in aviation subjects are not permitted except as provided in the re-write policy below.
- "R" grades in any subject at the end of a semester will result in termination from the program.
- Attendance is mandatory for all Aviation classes unless approval is granted in advance.
- Students may request a
- Composers Grade in
- immediate family member
- family member. Re-write
- lessons.
- R - Below 70%
- A - 70 - 79%
- A+ - 80 - 100%