

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: AERONAUTICS II

Code No.: AVT 110-6

Program: AVIATION TECHNOLOGIST (FLIGHT)

Semester: II

Date: JUNE 1986

Author: McCOMISKEY & GOVETT

New: _____ Revision: X

APPROVED: _____
Chairperson Date

AERONAUTICS II

AVT 110-6

Course Name

Course Number

PHILOSOPHY/GOALS:

Upon completion of this course the student should exhibit competencies in the following areas:

THEORY - the student should be able to pass the Transport Canada Commercial Private Pilot Examination and final semester examinations with a minimum grade of 70%.

METHOD OF ASSESSMENT (GRADING METHOD):

The student will be assessed by test following a block of subject matter, with a mid-term final examination and a semester final. Credit for block tests and mid-term will be weighted and applied to the final semester grade.

These tests will be in addition to the Transport Canada Commercial Examination (minimum 70%).

FLYING: -assessment is continuous, based on instructor evaluation and documented by progress books

 -periodic progress checks with faculty to determine suitability to continue

 -Private or Commercial pilot flight test or progress check at the end of the semester

ACADEMIC: -all AVT 100 or AVT 110 subjects are grouped together. Test results are totalled and reduced to a percentage for mid-term and final marks. Each subject is weighted with the greatest emphasis placed on navigation and meteorology. Tests are normally conducted at the end of each block of instruction with approximately 50% of the grade based on tests and 50% on final. 20% of the value of the end of semester total will be derived from mid-term grades.

MID-TERM: -NAV 100, MET 100, Radio Aids 50, T of F 50, Air Regs 50, A/C Systems 50 = 400 marks reduced to a percentage

GRADE:

- A - 90 - 100%
- B - 80 - 89%
- C - 70 - 79%
- I - Below 70 (Mid-Term Only)
- X - Below 70 (final extenuating circumstances only)
- R - below 70%

-In the event of a failure in one AVT subject, the highest grade achievable will be a 'C'. Failure of two or more AVT subjects will result in an 'R' grade.

-A 2.8 G.P.A. is considered minimum acceptable and student progress will be reviewed if below that grade.

-D.O.T. exams are not included in College grades although a minimum of 70% is required to continue on course. An 'R' grade will be awarded for AVT in the event of a failure.

-'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.

-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.

-Firm dates have not been established for tests because a good deal of instruction takes place on bad weather days.

AERONAUTICS

<u>Block</u>	<u>Periods</u>	<u>Block Description</u>
1	38	Navigation
2	29	Meteorology
3	22	Radio Aids
4	6	Theory of Flight
5	9	Air Regulations
6	4	Aircraft Systems (C 172)
7	2 (*24 hr field trip)	Survival Techniques

TEXTBOOKS:

From the Ground Up - A. F. MacDonald

Study and Reference Guide for Commercial Pilots - Transport Canada

Aeronautical Information Publication (A.I.P.) - Canada

Flying Training Manual - Transport Canada

Canada Flight Supplement GPH 205 - Transport Canada

Low Altitude Enroute Charts GPH - Transport Canada

Charts - Aeronautical Edition Scale 1:500,000

- World Aeronautical Chart 1:500,000

- Air 5000 Series 1:1,000,000

- Down But Not Out

- Weather Ways #T56-464 - Information Canada

- Weather - Forecasting and Observing Guide Handout - DND 295

- Supplement to Weather Ways - DND CFP 266