

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: AERONAUTICS I
Code No.: AVT 100-6
Program: AVIATION TECHNOLOGIST (FLIGHT)
Semester: I
Date: JUNE 1983
Author: MCCOMISKEY, GOVETT, NIELSEN-JONES

New: _____ Revision: X

APPROVED:

J.P. Proietto
Chairperson _____ Date _____

AERONAUTICS I
Course Name

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PHILOSOPHY/GOALS:

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

Theory - the student should be able to pass the Transport Canada 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 Private Examination (minimum 70%).

Grades will be indicated as follows:

A - 90-100%
B - 80- 89%
C - 70- 79%
X - below 70% (applied only to mid-term)
R - below 70%

TEXTBOOK(S):

SEE ATTACHED SHEET

AERONAUTICS I

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TEXTBOOKS:

From the Ground Up - A.F. MacDonald

Designated Airspace Handbook - Transport Canada

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

Weather Ways, Cat. T56-464 - Information Canada

Weather - Forecasting and Observing Guide Handout - DND CFP 295

Air Regulations and Aeronautics Act - Transport Canada

Air Navigation Orders - Transport Canada

Charts - Aeronautical Edition Scale 1:500,000

Charts - World Aeronautical Charts (W.A.C.)

Charts - Air 5,000 Series 1:500,000

Flying Training Manual - Transport Canada

VRF Chart Supplement - Transport Canada

Examination Guide for Private Pilots - Transport Canada

Navigation Booklet - Sault College

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FORWARD:

Aeronautics I is a very complex course of study, consisting of a number of subjects within the overall definition of Aeronautics. For this reason the course has been divided into separate blocks of instruction, with complete course outlines for each block of instruction.

GENERAL OBJECTIVES:

To ensure the student has a complete understanding of all aeronautic subjects so that he may:

- (a) operate an aircraft proficiently and safely;
- (b) successfully pass the Ministry of Transport Private Pilot Examination and Flight Test.

<u>BLOCK</u>	<u>PERIODS</u>	<u>BLOCK DESCRIPTION</u>
1.	22	Navigation
2.	20	Meteorology
3.	8	Airframe and Engines
4.	7	Radio Aids
5.	11	Theory of Flight
6.	13	Air Regulations