

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

COURSE OUTLINE

Course Title: SAFETY & HUMAN FACTORS IN AVIATION
Code No.: AVT 280-3
Program: AVIATION TECHNOLOGY (FLIGHT)
Semester: V
Date: OCTOBER, 1988
Author: M. GAUDREAU

New: _____ Revision: X

OK 2/6
APPROVED:

L.P. Crockett
Chairperson

8/8/10/31
Date

SAFETY & HUMAN FACTORS IN AVIATION

AVT 280-3

Course Name

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PHILOSOPHY/GOALS:

The objectives of this course are to review survival and winter flying techniques, to ensure students have an awareness of typical accident causes, to discuss effects of the human body during flight, and to study the handling of dangerous goods.

METHOD OF ASSESSMENT (GRADING METHOD):

The student will be graded in accordance with results achieved on:

- a) Mid-Term test on aero-medicine
- b) Individual presentations on flight safety
- c) Dangerous Goods Regulations exam
- d) Final semester examination

Grades will be assigned as follows:

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

S - Mid-Term Satisfactory
U - Mid-Term Unsatisfactory
R - Below 70% Final

REFERENCE MATERIAL:

R.C.A.F. -- Down But Not Out

Transport Canada - Regulations for Handling Dangerous Goods

I.A.T.A. - Dangerous Goods Regulation

D.O.T. - Accident Reports

D.O.T. - Safety Letters

INSTRUCTOR - Hand Out

COURSE OUTLINE:

<u>TOPIC</u>	<u>PERIODS</u>	<u>TOPIC DESCRIPTION</u>	<u>REFERENCE</u>
1	2	Winter Flying	
2	2	Survival	Down But Not Out
3	2	Typical Accident Causes	D.O.T. Safety Letters and Accident Reports
4	12	Aero-medicine - 2 Day Seminar	Guest Lecturer
5	1	Review	
6	2	Mid-Semester Examination	
7	16	Class Symposium on Flight Safety	
8	14	Dangerous Goods Regulations	I.A.T.A. Regulations
9	2	Dangerous Goods Examination	
10	1	Film & Discussion "Caution Wake Turbulence"	Film #544
11	1	Film & Discussion "Approaches in Fog"	Film #193
12	1	Film & Discussion "Medical Facts for Pilots"	Film #555
13	2	Review	
14	2	Final Semester Examination	