

SAULT COLLEGE
of Applied Arts and Technology
Sault Ste. Marie

COURSE OUTLINE

SAFETY & HUMAN FACTORS
IN AVIATION
AVT 280-3

revised June, 1981

SAFETY & HUMAN FACTORS IN AVIATION

AVT 280-3

TEXTS:

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

M.O.T. --- Accident Reports

M.O.T. --- Safety Letters

R.C.A.F. --- Aeromedical Handbook for Aircrew

REFERENCE TEXTS:

Aviation & Space Weekly --- Accident Reports

M.O.T. --- Hints on Cold Weather Flying

U.S.A.F. --- Your Body in Flight

AVT 280-3

General Objectives:

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

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Topic No.	Periods	Topic Description	Reference
1	2	Snowshoeing	
2.	1	Survival review	
3	2	Cold weather flying	M.O.T. Slide presentation
4	4	Typical accident causes	M.O.T. Accident Report M.O.T. Safety Letters
5	8	First Aid	St. John's Amb. First Aid
6	1	The body	R.C.A.F. Fit to Fly
7	1	Flying Fitness	R.C.A.F. Fit to Fly
8	2	Mid-Semester Examination	
9	1	Characteristics of the Atmosphere	R.C.A.F. Fit to Fly
10	3	Hypoxia, hyperventilation & emergency procedure	R.C.A.F. Fit to Fly
11	2	Acceleration	R.C.A.F. Fit to Fly
12	1	Escape from Aircraft	R.C.A.F. Fit to Fly
13	1	Orientation	R.C.A.F. Fit to Fly
14	1	Decompression, sickness and rapid decompression	R.C.A.F. Fit to Fly
15	1	Ear, Sinuses and Abdomin	R.C.A.F. Fit to Fly
16	2	Effects of heat, cold and noise	R.C.A.F. Fit to Fly
17	1	Vision	R.C.A.F. Fit to Fly
18	2	Review	R.C.A.F. Fit to Fly
19	2	Final Semester Examination	