

#71

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

COURSE OUTLINE

Course Title: NAVIGATION & INSTRUMENT PROCEDURES

Code No.: AVT 226-4

Program: AVIATION TECHNOLOGY (FLIGHT)

Semester: THREE

Date: JUNE, 1986

Author: R. NIELSEN-JONES

New: _____ Revision: _____ X

APPROVED: *J.P. Crozetta* _____
Chairperson Date

NAVIGATION & INSTRUMENT PROCEDURES

AVT 226-4

Course Name

Course Number

PHILOSOPHY/GOALS:

To introduce students to advanced navigation and instrument procedures, and achieve a standard of morse code reception of six words per minute as required for multi-engine instrument flight operations.

NOTES:

1. Morse code will be practiced after first six code periods by a 5-10 minute session during the first Navigation and Instrument Procedure period of each day.
2. Actual order of material covered will depend largely on course progress in flying and ground trainer, which is in itself dependent on weather.

METHOD OF ASSESSMENT (GRADING METHOD):

The student will be assessed by written mid-term and final examinations, with both tests carrying equal weight.

Grades will be indicated as follows:

- A - 90-100%
- B - 80- 89%
- C - 70- 79%
- X - below 70% at mid-term
- R - below 70% at final grading

TEXTBOOK(S):

Instrument Procedures Manual - Transport Canada

Aeronautical Information Publication - Transport Canada

STUDY AND REFERENCE GUIDES:

D.O.T. - Instrument Rating

D.O.T. - Personnel Licensing Handbook - Volume 1 - Flight Crew

D.O.T. - Canada Air Pilot

D.O.T. - Flight Supplement

Department of Energy, Mines & Resources - Radio Navigation Charts

TOPIC NO.	PERIODS	TOPIC DESCRIPTION	REFERENCE
1	3	Instrument Rating Requirements & Privileges	Pers. Lic. Handbook AIP
2	1	Background to Radio Aids	
3	3	Very High Frequency Omni Directional Radio Range (VOR)	IPM
4	4	Automatic Direction Finding (ADF)	IPM - Enroute Charts
5	3	Instrument Landing System	IPM
6	1	Visual Approach Slope Indicator System	AIP
7	2	Radar	IPM
8	8	IFR Flight Logs	
9	6	Morse Code	IFR Supplement
10	2	Instrument Approaches	IPM - Canada Air Pilot
11	4	Holdings	IMP - Flight Supplement
12	5	IFR Rules & Procedures	IMP - AIP - Flight Supplement - Film - Air Traffic Controller Canada Air Pilot Enroute Flight Supplement Film - Approach & Runway Lighting