

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: FOUR

Date: OCTOBER, 1988

Author: M. GAUDREAU

New: _____ Revision: X

APPROVED: OK. JB
L. Crozette Chairperson 88/10/31 Date

NAVIGATION & INSTRUMENT PROCEDURES

AVT 226-4

Course Name

Course Number

PHILOSOPHY/GOALS:

To introduce students to advanced navigation and instrument procedures. Upon completion of the course, in conjunction with simulator and flight training, the student will:

- a) have a working knowledge of Instrument Flight Rules (IFR); and
- b) apply and develop his instrument flying knowledge and skills in order to be able to conduct:
 - i) IFR Navigation Flights; and
 - ii) IFR Approach Procedures

METHOD OF ASSESSMENT (GRADING METHOD):

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

- a) Flight Planned Navigation exercise;
- b) Mid-Term exam;
- c) Satisfactory completion of a self-study package (The Inducer); and
- d) Final 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:

IPM (Instrument Procedures Manual) - Transport Canada
AIP (Aeronautical Information Publication) - Transport Canada
CAP (Canada Air Pilot) East - Transport Canada
Radio Navigation Charts - Department of Energy, Mines & Resources
Canada Flight Supplement - Transport Canada
The Inducer (Self Study) - Aggrey Air Services Ltd.
Audio/Visual Library - Sanderson
Film Library - ICAO, TC, etc.
Instrument Rating - D.O.T.
Personnel Licensing Handbook - Volume 1 - Flight Crew - D.O.T.
Hand Out - Instructor

TOPIC NO.	PERIODS	TOPIC DESCRIPTION	REFERENCE
1	1/2	Introduction	Course Outline
2	8 1/2	ADF, VOR & ILS Approach Procedures & Holds	CAP, AIP, IPM
3	2	LE Charts, Term Charts and IFR Nav Logs - Assignment High Level Navigation	E.M.R. & SAND #13
4	1	DME: Arcing, Fixes & G/S	HO
5	4	ATC: Terminal Control & Radar Vectors vs Radar Instruction/ Information & Canadian Airspace	FILM # 172 SAND #8 IPM & AIP
6	4	IFR Landings: Visual Transitioning, Circling, Runway Lighting & Markings, Landing Aids, JBI & RSC	FILMS # 193 & 187 IPM & AIP
7	2	General Section - Canada Air Pilot	CAP
8	4	Unusual Approaches: Remote Altimetres, Temp Corrections, Visual Approaches, Contact Approaches & LDA Approaches	CAP, IPM & AIP
9	2	MID TERM EXAMINATION	
10	4	IFR Planning & Notams	CAP, IPM, AIP & SAND#14
11	4	IFR General & Clearance	AIP, IPM, CAP SAND#15
12	4	IFR Departures & Noise Abatement	AIP, IMP SAND#14
13	4	IFR Enroutes & Transponder OPS	AIP, IPM, SAND#14
14	6	IFR Arrival	AIP, IPM, SAND#14
15	2	OPEN BOOK EXAM & ASSIGNMENT REVIEW	INDUCER
16	2	CLOSED BOOK EXAM & REVIEW	N/A