

SAULT COLLEGE
of Applied Arts and Technology
Sault Ste. Marie

COURSE OUTLINE

NAVIGATION
&
INSTRUMENT PROCEDURES
AVT 226-4

revised June, 1981

Navigation & Instrument Procedures

AVT 226-4

TEXTS:

Transport Canada - Instrument Procedures Manual (IPM)

Transport Canada - Aeronautical Information Publication (AIP)

STUDY & REFERENCE GUIDE:

M.O.T. -- Instrument Rating

REFERENCE TEXTS:

M.O.T. -- Personnel Licensing Handbook, Volume 1 - Flight Crew

M.O.T. -- Canada Air Pilot

M.O.T. -- IFR Supplement

D. of E.M. & R. -- Radio Navigation Charts

Fostair -- Instrument Rating Course

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GENERAL OBJECTIVES:

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. Navigation will include, after first three IFR flight log periods, one period per week planning an IFR flight, including flight log, flight plan and clearance.
2. Morse code will be practiced after first seven code periods by a 5-10 minute session during the first Navigation & Instrument Procedure period of each day.
3. Actual order of material covered will depend largely on course progress in flying and ground trainer, which is in itself dependent on weather.

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PIC NO.	PERIODS	TOPIC DESCRIPTION	REFERENCE
1	3	Instrument Rating Requirements & Privileges	Pers. Lic. Handbook AIP
2	14	IFR Flight Logs	
3	6	Morse Code	IFR Supplement
4	5	IFR Rules & Procedures	IPM AIP IFR Supplement Film-Air Traffic Controller
5	1	Background To Radio Aids	Fostair IRC
6	6	IFR Publications & Charts	Canada Air Pilot Enroute Charts IFR Supplement Film-Approach & Runway Lighting
7	3	MID SEMESTER EXAMINATIONS	
8	4	Automatic Direction Finding (ADF)	IPM Enroute Charts
9	3	Very High Frequency Omni Directional Radio Range (VOR)	IPM Enroute Charts
10	2	Instrument Approaches	IPM Canada Air Pilot
11	4	Holdings	IPM IFR Supplement
12	3	Instrument Landing System	IPM
13	1	Visual Approach Slope Indicator System	AIP
14	2	Radar	IPM
15	3	FINAL SEMESTER EXAMINATIONS	