

OK

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

COURSE OUTLINE

Course Title: RADIO AIDS

Code No.: AVT 110-6

Program: AVIATION

Semester: TWO

Date: JANUARY 1986

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New: _____ Revision: X

APPROVED: J.P. Crozetto _____
 Chairperson Date

AVT 110-6
Course Number

RADIO AIDS
Course Name

GENERAL OBJECTIVES:

To follow-up on Semester 1 training, with the objective of the student successfully completing the DOT Commercial Pilot written examination (Radio Aids Section). This will include VOR and ADF Navigation aids, and their use, and the use of VFR and IFR charts.

GRADING (EVALUATION):

See cover sheet for Grading and Evaluation.

TEXTBOOK(S):

From The Ground Up - A.F. MacDonald
Aeronautical Information Publication - DOT
Flight Training Manual - DOT
Low Level Enroute Charts
Flight Supplement
VFR Charts

STUDY AND REFERENCE GUIDES:

Sault College Course Outline
DOT Study and Reference
Guide for Commercial Pilots'

<u>TOPIC NO.</u>	<u>PERIODS</u>	<u>TOPIC DESCRIPTION</u>	<u>REFERENCE</u>
1	3	VOR Operation & Use	From the Ground Up
2	3	ADF Operation & Use	From the Ground Up
3	1	VFR Charts	DOT VFR Charts
4	1	Review	
5	1	Mid-term Test	
6	4	IFR Charts	DOT Enroute Low Altitude Charts
7	2	The Flight Supplement	DOT - Flight Supplement
8	2	Review Radio Aids	
9	3	Review Airframes and Engines	
10	1	Final Semester Exam	
11	1	DOT Commerical Pilot Examination	

SPECIFIC OBJECTIVES:

1. VOR OPERATION AND USE

The student is required to know

- a) Mechanics of the VOR system
- b) Orientation by VOR
- c) Pre-determined tracking using VOR
- d) Time and distance by VOR

2. ADF OPERATION AND USE

The student is required to know

- a) Mechanics of the ADF system
- b) Orientation by ADF
- c) Pre-determined tracking using ADF
- d) Time and distance by ADF

3. VFR NAVIGATION CHARTS

The student is required to know

- a) The use of VFR charts for navigation by VOR and ADF

4. IFR NAVIGATION CHARTS

The student is required to know

- a) How to use and understand "DOT Low Level Enroute Charts"
- b) ADF and VOR navigation by using "DOT Low Level Enroute Charts"

5. THE FLIGHT SUPPLEMENT

The student is required to know

- a) What information is in the "Supplement"
- b) How to use the available information.