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SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

COURSE TITLE: AIR FLIGHT TRAINING I

CODE NO.: AFT 105-11

SEMESTER: THREE (3)

PROGRAM: AVIATION TECHNOLOGY (FLIGHT)

AUTHOR: B. GOVETT

DATE: MAY 1994

PREVIOUS OUTLINE DATED:

JULY 1991

APPROVED:

RP Crayth
DEAN

94/06/15
DATE

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TOTAL CREDIT 11

PREREQUISITE(S): Valid CAT 1 medical and satisfactorily completed semester 1 & 2 academics with a 3.0 GPA.

I. PHILOSOPHY/GOALS:

The aim of the Aviation Program is to produce professional pilots within a structured time frame. Upon completion of this course the student shall exhibit competencies in the following area:

Aircraft Operation - a) The student shall be able to operate a light single engine aircraft proficiently and safely. b) The student shall pass the Transport Canada Private Pilot Flight test and Transport Canada written examination for the PPL within specified time-frames outlined in the Pilot Training Curriculum as contained in the student progress book. c) The student shall pass the college pre Transport Canada written examination for the PPL.

II. STUDENT PERFORMANCE OBJECTIVES:

Upon successful completion of this course the student will pass the Private Pilot Flight Test. Candidates with PPLs will pass all the Progress Flight Tests to the private pilot standard.

The flight program will be in accordance with the requirements of the Transport Canada (TC) flight test guide TP2655. The Sault College semester progress flight test or Transport Canada flight test recommendations will be as published and amended from time to time in the students flight progress book.

Responsibilities, professionalism and discipline are an integral part of this program.

The student will know the following material to the PPL Standard as set forth in the Study Reference Guide for Private Pilot Licence Aeroplanes TP5717:

- 1) AIR LAW - Section 1 Air Law
- 2) NAVIGATION - Section 6 Navigation and Radio Aids
- 3) METEOROLOGY - Section 5 Meteorology

- 4) AERONAUTICS - General Knowledge-Section 2 Airframes and Engines
-SECTION 3 Theory of Flight
-Section 4 Flight Instruments
-Section 7 Flight Operations
-Section 8 Human Factors

III. **TOPICS TO BE COVERED:** are toward study and completion of the Transport Canada Private Pilot Licence (written and practical tests).

Preparatory lessons 1 to 24 as indicated in the DOT Flying Training Manual.

IV. LEARNING ACTIVITIES

REQUIRED RESOURCES

Students will receive dual flight instruction to the solo level and both dual and solo flight training in accordance with the Personnel Licencing Handbook and the Transport Canada Instructor's Guide, to the completion of the Private Pilot's Licence. Various performance tests (See Evaluation Methods Section V throughout this training and Student Proogress Book for details).

Personnel licencing Handbook
Volume I and Transport Canada
Instructor's Guide

The remainder of the flight training will consist of dual and solo to the completion of the Priate Pilot Plan

Preparatory lessons 1 through 24 are required to complete ground instruction lessons and associated flying training exercises to the PPL level

DOT Flight Training Manual
T52-14/1994E

V. EVALUATION METHODS: (INCLUDES ASSIGNMENTS, ATTENDANCE REQUIREMENTS, ETC.)

The student shall be assessed by:

- a) Scheduled progress flight check as indicated on the semester progress flight check sheet in the Student Progress Book.
- b) Progress write-ups by the instructor following each dual flight. These write-ups will indicate the students day to day progress. Difficulties in addition to the debriefing and write-up will be in as much detail as possible.
- c) Unscheduled progress flight checks will be at the request of

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d) The Transport Canada Private Pilot Flight Test or Semester Final Progress Flight Test, as appropriate.

e) Grades other than final or midterm will be marked "S" - Satisfactory, "M" - Marginal or, "U" - Unsatisfactory.

Final and midterm grades will be indicated by "S" - Satisfactory, "U" - Unsatisfactory or, "X" - Incomplete (not to be used for semester final except as a temporary measure if flight test has not been completed due to weather, etc.)

A "U" (Unsatisfactory) semester end assessment constitutes a failure and termination from the Aviation Flight Program.

VI. REQUIRED STUDENT RESOURCES

Flying Training Manual - Transport Canada

Aircraft Handling Manual - Manufacturer

Aeronautical Information Publication - Transport Canada

VII. ADDITIONAL RESOURCE MATERIALS AVAILABLE IN THE COLLEGE LIBRARY:

Book Section (TITLE, PUBLISHER, EDITION, DATE, LIBRARY CALL NUMBER IF APPLICABLE)

Periodical Section (MAGAZINES, ARTICLES)

Audiovisual Section (VIDEOS, FILMS, FILMSTRIPS, TRANSPARENCIES)

VIII. SPECIAL NOTES

Students with special needs (eg. physical limitations, visual impairments, hearing impairments, learning disabilities) are encouraged to discuss required accommodations confidentially with the instructor.

Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of students.