

**SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE MARIE, ON**



COURSE OUTLINE

Course Title: Air Flight Training

Code No.: AFT 205-9

Semester: Five (5)

Program: Aviation Technology (flight)

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Date: November 1999 Previous Outline Date: Dec. 1998

**Approved: K. DeRosario
Dean**

Nov. 24/99
Date

Total Credits: 9

Prerequisite(s): AFT 115-9

Length of Course: 16 weeks Total Credit Hours: 144

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& Technology, (705) 759-2554, Ext. 642.

I. COURSE DESCRIPTION:

This semester provides the remainder of the air flight training to bring the student to a standard acceptable to pass the Transport Canada Commercial Pilot Flight Test. Also included in this semester is one lesson plan on emergency manoeuvre training - EMT 2.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

Upon successful completion of this course the student will:

- 1) fly an aircraft to a commercial standard as outlined in the Transport Canada Flight Test Standards Guide for the Private and Commercial License (TP2655)

Potential Elements of the Performance:

- Complete all lesson plans as outlined in the progress book
- be recommended for the Commercial Pilot Flight test
- Pass the Commercial Pilot Flight Test

III. TOPICS:

- 1) The Commercial Pilot Flight Standards
- 2) Emergency Manoeuvre Training

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

The Zlin ground school manual
Flight Test Standards Guide for Private and Commercial Pilots (TP2655)
Aeronautical Information Publication (AIP)
Canada Flight Supplement
Air 5001 Sault Ste Marie VNC
The Flight Training Manual
From the Ground Up
CARS

V. EVALUATION PROCESS/GRADING SYSTEM

An important aspect of each dual flight is evaluation, and if the progress of a student is less than satisfactory on any dual flight, the flight may be repeated. If they are still not satisfactory, then the student's progress will be reviewed.

Solo flights will only be conducted if the student is considered to be safe for solo. If there is any unsafe behaviour on a solo flight, the student's progress will be reviewed

PROGRESS FLIGHT CHECK – THE COMMERCIAL RECOMMENDATION FLIGHT
This flight test is the Commercial Pilots Licence Recommendation Flight. It is used to determine if the student has acquired the necessary skills and knowledge to attempt the flight test for the issuance of the Commercial Pilot Licence and to determine if the student is able to continue into Semester 6. It will follow the Transport Canada Flight Test Standards Guide for Private and Commercial Pilot Licences (TP2655E).

1. Admission to the Recommendation Flight – after all flights have been completed except for the commercial cross country flight.
2. Marking Scale - Will be the same as found in the Flight Test Standards Guide for Private and Commercial Pilot licenses (TP2655E.)
3. Satisfactory Grade - In order to continue to the flight test for Commercial Licence, the student must be recommended for the flight test.
Note: Transport Canada keeps a record of who an instructor recommends, and whether or not they pass, in the form of an instructor's flight test record. Since a certain number of failed flight tests will adversely impact an instructor, it is their discretion whether or not to recommend a candidate. They are, however, obligated to recommend anyone that they assess as being able to pass the Commercial Flight test.
4. Unsatisfactory Grade - A student who is not recommended will be assessed as unsatisfactory. The Re-ride policy in section VI of this outline will then be applied.

THE TRANSPORT CANADA COMMERCIAL FLIGHT TEST

This flight test is for the issuance of the Commercial Pilot Licence, and is administered by a Transport Canada Inspector or a Designated Flight Test Examiner (DFTE). In the case of failure, the re-ride policy in section VI of this guide will apply. The student must be recommended by a Flight Instructor before attempting this flight test.

GRADE:

S – accomplishes all of the elements of the performance as described in section II of this outline
U – does not accomplish all of the elements of the performance as described in section II of this outline

- Students may request a deferment of a test for compassionate reasons. Compassionate Grounds for deferment will include but not be limited to death of an immediate family member, personal

ness, or recent diagnosis of a serious illness of a family member. **Re-rides will not be permitted after the fact for compassionate reasons.**

"U" grades in any subject at the end of a semester will result in termination from the program. Re-rides for failed flight tests are not permitted except as provided in the re-ride policy below.

- Attendance is mandatory for all flights unless approval is granted in advance.
- Due to the large amount of flying that must be done, the following will apply: Students that do not show up on time and/or are not totally prepared for their flight, will be sent home. Repeated infractions tends to be a manifestation of the 5 Hazardous attitudes and will be dealt with in accordance with section VI: "Attitude and Conduct".
- As stated in the letter of understanding signed at the beginning of the program, students are expected to be available for flying all day long, seven days a week, including holidays.
- Although attitude, co-operation, etc., are not graded, students may be terminated from the program based on their performance in this area (see section VI). These attributes are also considered in the selection of the Air Canada Award and other scholarships.

SPECIAL NOTES:

Attitude and Conduct

Attitude plays an important role in your ability to exercise good judgement. Although attitude is not being graded, it affects your ability to learn as well as your safety as a student and future as a professional pilot. Students who display a strong tendency towards any of the five hazardous attitudes pose a grave risk to themselves and others. For this reason these students will be counselled and will be put on a behavioural contract. If counselling is ineffective, then the student will be withdrawn from the program.

The five hazardous attitudes are identified as Anti-authority, Impulsivity, Invulnerability, Machismo, and Resignation. These hazardous attitudes are described in "Human Factors for Aviation – Basic Handbook" on pages 151 and 152.

Re-ride policy

Purpose

The purpose of providing flight time over and above that which is already provided is to help students who may learn at a slower pace, or to give a second chance on flight tests. Student success is the ultimate goal.

If a student fails a flight test or Prog ride, or is not considered safe for first solo flight at the end of the pre-solo stage, there are three possible courses of action:

1. Accept the grade assessed on the flight test or the pre-solo stage, and be withdrawn from the program.
2. Appeal the grade assessed if you feel that you have been unfairly treated.
3. Sign a learning contract that outlines your deficiencies. Assuming that you have the extra time as described in the next section, this time will be used for extra dual and/or solo training, and another flight test will be done. A satisfactory grade is required in order to continue. **By signing this contract, you relinquish the right to appeal an unsatisfactory grade.** (Student Rights and Responsibilities, section F 1(e))

If a student decides on #3, he or she will meet with the CFI or his designate. At this time a learning contract will be established which will outline the amount of remedial flying time that will be given, and methods used to determine if the student is up to standards. This will be based on any remaining extra time available to the individual student. Any overages during the regular dual flights will also apply.

If the extra flying time has been used up and the student still does not meet the requirements outlined in the learning contract, their progress will be examined by a review committee made up of at least 2 full time faculty. If no extenuating circumstances are found in the student's progress, that student will be recommended for involuntary withdrawal.

Once a semester is completed, students will start with new allotment of extra flight time appropriate for the semester that they are starting. Extra flight time does NOT carry over to the next semester, nor can it be used up at the end of the semester after all required flight tests have been successfully completed.

Application

In each semester, students will be allowed to exceed the flying time allotted for that semester by the amount quoted in the following table:

The extra time applies as follows*

Semester 4	5 hours
Semester 4 Simulator	2 hours dual
Semester 5	5 hours
Semester 6	5 hours
Semester 7	5 hours

* These figures are based on the flying curriculum as established in May 1997, and are subject to change if the flying curriculum changes.

Conduct of the Re-Ride

The re-ride will be a complete flight test with the same marking criteria as the previous flight test. This flight test will be evaluation only and no extra dual training or re-assessment will occur during the flight test itself.

Special Needs

If you are a student with special needs (eg. physical limitations, visual impairments, hearing impairments, learning disabilities), you are encouraged to discuss required accommodations with the instructor and/or contact the Special Needs Office, Room E1204, Ext. 493, 717, 491 so that support services can be arranged for you.

Retention of Course Outlines

It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other post-secondary institutions.