

I. COURSE DESCRIPTION:

The main emphasis in this semester of flight training is the Group 1 Instrument Rating (multi-engine), culminating with the Transport Canada Group 1 Instrument Rating Flight Test.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

Upon successful completion of this course, the student will demonstrate the ability to:

1. Meet the standards for the multi engine instrument rating (Group 1)

Potential Elements of the Performance:

- Complete all lesson plans up to the multi IFR recommendation flight
- Be recommended for the Group 1 instrument rating flight test
- Pass the Group 1 instrument rating flight test

III. TOPICS:

1. Instrument Procedures
2. Air Law
3. Meteorology
4. PA 44 aircraft systems and procedures
5. Flight Planning
6. Emergencies

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

PA 44 Pilot's Operating Handbook

Instrument Procedures Manual

A.I.P.

CAP 4

LO 3\4

CAP GEN

V. GENERAL:

- Attendance is mandatory for all flights unless approval is granted in advance.
- Students that do not show up on time and/or are not totally prepared for their flight will be sent home. In addition to their flight being cancelled, students which “no show “ may be fined \$50.00. Students, which demonstrate this behaviour, will receive a letter of warning. The consequences of subsequent letters of warning are dealt with in the Sault College Standard Operating Procedures. Repeated infractions tend to be a manifestation of the 5 Hazardous attitudes and will be dealt with in accordance with section VII: “Attitude and Conduct”.
- 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.
- Students must always ensure they are fit for the flight. An aid to assess this is the IMSAFE checklist. If you believe you are NOT fit to fly, then it is YOUR responsibility to cancel the flight.
- 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 illness, or recent diagnosis of a serious illness of a family member. **Re-rides will not be permitted after the fact for compassionate reasons.**

VI. EVALUATION PROCESS/GRADING SYSTEM:

The aviation program is divided into 7 phases. AFT370 is the flight program for semester 7 and corresponds to phase 7. It is the final phase of flight training. To graduate from the program a student must successfully complete all courses, including all phases of flight training. For further details on phases of flight and the training syllabus refer to the Sault College Training Manual.

The specific criteria, which must be met prior to completing AFT370 (semester 7, phase 7), are:

- Be recommended for the Group 1 Instrument Rating Flight Test (6th edition April 2005 – TP9939E).
- Pass the Group 1 Instrument Rating Flight Test (6th edition April 2005 – TP9939E).

To help accommodate different learning styles, each student will be given a specified amount of additional remedial training time. This remedial training time, if required, will be used for training as outlined in a learning plan (see Sault College Standard Operating Procedures for details). The amount available to

students in semester 7 is 5 additional flight hours. In addition to flight hours, students will be allotted 5 additional dual training hours in the FTD. There is no limit on the amount of solo use of the FDT.

Students might also be required to repeat any lesson plan if it is deemed unsatisfactory.

A student, who doesn't meet the criteria, will be involuntarily withdrawn from the aviation program.

GROUP 1 INSTRUMENT RATING RECOMMENDATION FLIGHT TEST

This flight test is the Group 1 instrument rating 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 Group 1 instrument rating. It will follow the Transport Canada Flight Test Guide for Instrument Rating (6th Edition April 2005 – TP9939E).

1. Admission to the Recommendation Flight – after all flights up to but not including the recommendation flight test have been completed.

2. Marking Scale - Will be the same as found in the Flight Test Guide for Instrument Rating (6th edition April 2005 – TP9939E).

3. Satisfactory Grade - In order to continue to the flight test for Group 1 instrument rating, the student must be recommended for the flight test.

Note: To qualify for the Multi Engine Instrument Rating Flight Test the candidate must be recommended by a qualified flight instructor. You will **only be recommended** to do the flight test if the recommending instructor feels there is a high probability of success.

4. Unsatisfactory Grade - A student who is not recommended will be assessed as unsatisfactory. The Re-ride policy in section VII of this outline will then be applied.

GROUP 1 INSTRUMENT RATING FLIGHT TEST

This flight test is for the issuance of this rating and will be administered by Transport Canada or a Pilot Examiner (PE). The student must successfully pass this flight test in order to graduate. It will follow the Transport Canada Flight Test Guide for Instrument Rating (6th edition April 2005 – TP9939E).

In the case of failure, the re-ride policy in section VII of this guide will apply.

The following semester grades will be assigned to students in aviation flight courses:

CR (Credit)	Credit for diploma requirements has been awarded.
S	Satisfactory achievement in field /clinical placement or non-graded subject area.
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.
X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.
NR	Grade not reported to Registrar's office.
W	Student has withdrawn from the course without academic penalty.

VII. SPECIAL NOTES:

Attitude and Conduct

Attitude plays an important role in your ability to exercise good judgment. 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 counseled and may be placed on probation. If this is ineffective, then sanctions or involuntary withdrawal may be the only recourse.

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.

Denial of Appeal

Students may be summarily withdrawn from the Aviation Program for actions that adversely affect flight safety. These students will not be allowed to appeal this involuntary withdrawal. A partial list of offences appears below. Note that this is a partial list only and other offences may also be subject to this policy.

1. Violation of the Canadian Aviation Regulations, whether Transport Canada has taken official action or not, that have a direct impact on flight safety.

2. Landing at other than a licenced or approved airfield, except for emergency or precautionary reasons, or an instructor is on board.
3. Low flying as defined in the Sault College Rules, Regulations and Safety Precautions for Flight Training.
4. Solo Aerobatic flight.
5. Solo Spin practice.
6. Solo formation flight. For this purpose, formation flight is defined as two aircraft intentionally flying within 1 nm from each other, and not under the control of any air traffic agency.
7. Handling of aircraft in any way that may endanger persons or property.
8. Fuel exhaustion.
9. Flying under the influence of drugs or alcohol.

Re-ride policy

If a student is not recommended for the Group 1 Instrument Rating Flight Test and has sufficient remedial training time available, a learning plan will be developed to identify deficiencies, plan a course of retraining and subsequent evaluation. Remember, to qualify for the Group 1 Instrument Rating Flight Test you must be recommended.

If the student fails the Transport Canada Group 1 Instrument Rating Flight Test and has sufficient remedial training time available, the student will be given a second opportunity to pass the test. A learning plan will be used to identify deficiencies, plan a course of retraining and subsequent evaluation. Under NO circumstances will any student be given a 3rd opportunity to pass the Group 1 Instrument Rating Flight Test.

Please refer to your Sault College Aviation Standard Operating Procedures section 1.3.0.3 for further details.

Special Needs:

If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your instructor and/or the Special Needs office. Visit Room E1101 or call Extension 2703, 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 postsecondary institutions.

Plagiarism:

Students should refer to the definition of “academic dishonesty” in the *Sault College Code of Conduct*. Students who engage in “academic dishonesty” will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

Course outline amendments:

The Professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Substitute course information is available in the Registrar's office.

VIII. PRIOR LEARNING ASSESSMENT:

Students who wish to apply for advanced credit in the course should consult the professor. Credit for prior learning will be given upon successful completion of a challenge exam or portfolio.

IX. DIRECT CREDIT TRANSFERS:

Students who wish to apply for direct credit transfer (advanced standing) should obtain a direct credit transfer form from the Dean's secretary. Students will be required to provide a transcript and course outline related to the course in question.