

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY
SAULT STE. MARIE, ONTARIO**



Sault College

COURSE OUTLINE

COURSE TITLE:	Flight Training 2	
CODE NO. :	AFT130 - 15	SEMESTER: Three
PROGRAM:	Aviation Technology (Flight)	
AUTHOR:	Chief Flight Instructor	
DATE:	May 2008	PREVIOUS OUTLINE DATED: May 2006
APPROVED:	"Brian Punch"	
	_____	_____
	CHAIR	DATE
TOTAL CREDITS:	15	
PREREQUISITE(S):	AFT120	
HOURS/WEEK:	n/a	

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School of the Natural Environment, Technology & Skilled Trades

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I. COURSE DESCRIPTION:

This course continues the flying which began in AFT120, up to the Private Pilot Flight Test for ab initio students or a final flight test for those with a Private Pilot Licence. After this stage a series of cross-country flights are required to be completed.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. Fly an aircraft to a standard as outlined in the Transport Canada Flight Test Guide for the Private License

Potential Elements of the Performance:

- Completed all lesson plans as outlined in the progress book
- Be recommended for the Private Pilot Flight test by a college instructor
- Pass the Transport Canada Private Pilot flight test

2. If the student already holds a Private Pilot Licence

Potential Elements of the Performance:

- Completed all lesson plans as outlined in the progress book
- Be recommended for the Final Progress Flight Test by a college instructor
- Pass the Final Progress Flight Check

3. If the student already holds a Recreational Pilot Permit

Potential Elements of the Performance:

- Complete all lesson plans appropriate to the student's level of experience
- Satisfy the PPL requirements for cross country
- Be recommended for the Private Pilot Flight Test by a college instructor
- Pass the Transport Canada Private Pilot Flight test

III. TOPICS:

1. The Private Pilot Licence Test

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

The Zlin ground school manual

Flight Test Guide – Private Pilot Licence – Aeroplane (TP13723E, Second Edition June 2005)

[Aeronautical Information Manual \(AIM\)](#)

<http://www.tc.gc.ca/CivilAviation/publications/tp14371/menu.htm>

Canada Flight Supplement

Air 5001 Sault Ste Marie VNC

The Flight Training Manual

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 8 phases. To continue in the program a student must meet specific criteria before advancing to the next phase. AFT130 is the flight program for semester 3 and corresponds to phase 3a and 3b. 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 advancing to AFT240 (semester 4, phase 4), are:

- No “F” grades
- Continue to be safe and authorized for all required solo flight (in a Sault College aircraft).
- Complete the remainder of semester 3 flight syllabus in the allotted time.
- Be recommended for the Private Pilot Aeroplane Flight Test (TP13723E).
- Pass the Private Pilot Aeroplane Flight Test (TP13723E).

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 3, is 5 additional flight hours less any hours which were required in semester 2. In addition to flight hours, students will be allotted 5 additional dual training hours in the FTD less any hours which were required in semester 2. 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.

Preparatory Ground Instruction Quizzes

Quizzes based on the information covered in the Preparatory Ground Instruction will be given to determine a student's level of knowledge. Flying privileges may be suspended if a student fails a quiz, until such time that he/she can demonstrate that sufficient knowledge has been attained before attempting a lesson in the aircraft.

For Ab Initio students (those without a licence)

- Ab Initio Students that come to Sault College with a significant amount of flight training but no licence will be accelerated by skipping a number of lesson plans. These skipped lessons may be used if an instructor feels it is necessary.

AIRWORK PROGRESS FLIGHT CHECK AND REVIEW

This is a flight test used to determine the level of skill mastered on each exercise, compare it to that required for the private pilot licence and prescribe remedial training for those exercises not meeting the aim of the exercise or with major errors. It will follow the Transport Canada Flight Test Guide for Private Pilot Licences with the following exceptions:

- 1. Admission to the Progress Flight Check and Review** - The Progress Flight Check and Review will be assigned after all flights prior to the Progress Flight check have been completed.
- 2. Marking Scale** – Same as the flight test standards guide. All exercises except 23C (Enroute Procedure) and exercise 24 (Instrument Flying) will be assessed.
- 3. Conduct of the Flight test** - The flight test is made up of two parts: the ground portion (exercise 2a to 2c, 23a) and the flight portion. The ground portion is usually done first, followed by the flight, but due to unusual circumstances, the examiner may decide to do the flight portion first. Both parts of the flight test will be done, regardless of any "1" assessed.
- 4. Post Flight Remedial Training** - All students receive 1 hour of dual instruction after the prog to review weak areas, but if the instructor/examiner assess that this hour is not enough to cover all exercises that did not meet the aim of the exercise or had major errors (i.e: were marked 1 or 2), then he/she will develop a remedial training plan which will determine the extra amount of instruction required and inform scheduling of the plan. This extra time will come from the total extra time allotment provided to each student at the beginning of this semester. The purpose of the extra training time is to help students meet the standard so subsequent practice can be more fruitful and effective.

This remedial training will include a re-assessment of the weak exercises to ensure that the individual student is safe for solo flight. Students that are still unsafe at this point will be given further remedial training if they have enough time available, otherwise they will be subject to involuntary withdrawal.

FINAL PROGRESS FLIGHT CHECK – THE PRIVATE PILOT RECOMMENDATION FLIGHT (Ab initio and Recreational Pilot Permit holders)

This progress flight check is the Private 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 Private Pilot Licence and to determine if the student is able to continue into Semester 4. It will follow the Transport Canada Flight Test Guide for Private Pilot Licences.

1. Admission to the Recommendation Flight - The Recommendation Flight is assigned after all flights up to the lesson plan indicating the Recommendation Flight have been completed.
2. Marking Scale - Will be the same as found in FTG.
3. Conduct of the Flight Test - the flight test will be done in accordance with the FTG
4. Satisfactory Grade - the student is recommended for the Transport Canada flight test.

Note: To qualify for the Private Pilot Aeroplane 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.

5. Unsatisfactory Grade - A student who is not recommended will be assessed as unsatisfactory. The Extra Time policy in section VI of this outline will then be applied.

THE TRANSPORT CANADA PRIVATE PILOT FLIGHT TEST

This flight test is for the issuance of the Private Pilot Licence, and is administered by a Transport Canada Inspector or a Designated Flight Test Examiner (DFTE). Note: a fee will be charged by the DFTE or Transport Canada for their services, however the cost of the flight time will be covered by Sault College. A Flight Instructor must recommend the student before attempting this flight test. In the case of failure, see section VII of this guide.

For Private Pilot Students

AIRWORK PROGRESS FLIGHT CHECK AND REVIEW

Follows the same procedure as outlined for Ab initio Students

FINAL PROGRESS FLIGHT CHECK

This is a flight test to determine if the student has the necessary knowledge, judgment and skill to continue training into Semester 4. Even though you are not required to do a Transport Canada flight test you will still be required to be recommended for the final progress flight check. It will follow the Transport Canada Flight Test Standards Guide for Private Pilot Licences with the following exceptions:

1. Admission to the Progress Flight Check and Review - The Progress Flight Check and Review will be assigned after all flights up to this final Progress flight check have been completed.

2. Marking Scale - Will be the same as found in FTG.
3. Conduct of the Flight Test - the flight test will be done in accordance with FTG
4. Satisfactory Grade - If a satisfactory grade is achieved, training will continue. A pass mark as described in the Flight Test Guide for the private pilot licence will result in a satisfactory grade.
5. Unsatisfactory Grade - A student who does not meet the satisfactory criteria will be assessed as unsatisfactory. The Extra Time policy in section VI of this outline will then be applied.

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 Private Pilot Licence Aeroplane 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 Private Pilot Licence Aeroplane Flight Test you must be recommended.

If the student fails the Transport Canada Private Pilot Licence Aeroplane 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 Private Pilot Licence Aeroplane 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.

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.