

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ONTARIO**



**COURSE OUTLINE**

**COURSE TITLE:** Flight Training 4

**CODE NO. :** AFT250-9

**SEMESTER:** Five

**PROGRAM:** Aviation Technology (Flight)

**AUTHOR:** Brian Stewart

**DATE:** Sept. 2013

**PREVIOUS OUTLINE DATED:** Nov. 2012

**APPROVED:**

  
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**CHAIR**

  
\_\_\_\_\_  
**DATE**

**TOTAL CREDITS:** 9

**PREREQUISITE(S):** N/A

**HOURS/WEEK:** N/A

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For additional information, please contact Greg Mapp, Flight Operations Manager  
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**COURSE DESCRIPTION:****I.**

This course continues flight training toward the Integrated Commercial Pilot License with a group 1 Instrument Rating ICPL(IR).

**II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:**

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

1. Maintain satisfactory progress in achieving the standards of the lesson plans in the phase of flight in which they are currently training.

Potential Elements of the Performance:

- Achieve satisfactory progress on lesson plans completed to date.
- Successfully complete any stage checks required for the phase of flight they are in.

2. Be considered safe and competent in the operation of Sault College aircraft.

Potential Elements of the Performance:

- Demonstrate a high degree of proficiency in all normal and emergency procedures. This includes the ability to verbalize verbatim all memory checklist items.
- Demonstrate effective decision making when deciding to fly. This includes their personal fitness, weather, our SOPs and the airworthiness of the aircraft.

3. Behave as a Professional Pilot

Potential Elements of the Performance:

- Be available, prepared and attend all scheduled lesson plans.
- Perform periodically assigned duties such as dispatch, ground handler and assisting in the movement of aircraft.
- Maintain a positive attitude and a spirit of co-operation. This "esprit de corps" promotes a positive learning environment.
- Be aware of and attempt to limit the adverse consequence of any hazardous attitudes.

4. Retain sufficient theoretical knowledge to understand and apply the concepts taught during flight or simulator training.

Potential Elements of the Performance:

- Attend all assigned and scheduled preparatory ground school classes.
- Successfully pass any knowledge confirmation quizzes, tests and exams.

**III. TOPICS:**

1. Flight and simulator training leading to the issuance of the following licences and endorsements:

- Private Pilot Licence
- Night Endorsement
- Multi-engine Endorsement
- Group 1 Instrument Rating
- Integrated Commercial Pilot Licence

2. All flight and simulator training is described in The Sault College Training Manual, beginning with phase 2 and progressing through to phase 7.

#### **IV. REQUIRED RESOURCES/TEXTS/MATERIALS:**

##### **For Phases 2 through 5:**

- Aviation headset (for airplanes, not helicopters)
- Transport Canada's Flight Training Manual, 4<sup>th</sup> edition.
- Zlin 242 Pilot's Operating Handbook
- Current edition of the Canada Flight Supplement.
- Current edition of the Sault Ste. Marie VFR Navigation Chart
- ICAO ruler.
- Douglas Protractor.
- Flight Computer
- Fuel tester
- Flashlight

##### **For Phases 6 and 7:**

- Instrument Procedures Manual, 5<sup>th</sup> edition.
- Piper Seminole (PA44) Information Manual (manual part number 761-873 applicable to aircraft SN 4496001 and up)
- Current edition of the Canada Flight Supplement.
- Current edition of the Sault Ste. Marie VFR Navigation Chart
- Current edition of Enroute Low Altitude 3 & 4 (LO3&4)
- Current edition of Enroute Low Altitude 5 & 6 (LO5&6)
- Current edition of Canada Air Pilot 4 (CAP4).
- Current edition of the Canadian Terminal Area Charts

#### **ADDITIONAL RESOURCES/TEXTS/MATERIALS:**

Your Sault College Library is an excellent resource!

##### **Web Links:**

[Aeronautical Information Manual](#)

[Transport Canada Flight Test Guides](#)

[Transport Canada Study and Reference Guides/Sample Examinations](#)

**V. EVALUATION PROCESS/GRADING SYSTEM**

The course outlines are designed to match the academic semester a student is in, however the academic semester does not always match the phase of flight training. For example phase 5 is designed to be completed in AFT250, but, due to circumstance beyond the control of either the student or the college this is not always the case. Therefore, providing the student is proceeding at a satisfactory level in the flight training, they will be awarded an "S" grade.

**To maintain a satisfactory grade a student must meet the following standards:**

- Achieve satisfactory progress on each lesson plan.
- Pass each stage check in the allotted time. In an effort to accommodate different learning styles, the phases allow for a certain amount of remedial training time. The details are in the Sault College Training Manual.
- Attend at least 95% of all of the scheduled lesson plans and assigned duties.
- Achieve a passing grade in all quizzes, tests and exams as required to confirm a sufficient level of knowledge to continue with the next lesson plan.
- Be recommended to write all Transport Canada exams.

**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.                                                                                    |

**VI. SPECIAL NOTES:****Attendance:**

Sault College is committed to student success. There is a direct correlation between academic performance and class attendance; therefore, for the benefit of all its constituents, all students are encouraged to attend all of their scheduled learning and evaluation sessions. This implies arriving on time and remaining for the duration of the scheduled session.

**Re-test policy:**

If a student is not safe for solo flight (in a Sault College aircraft) or a Lesson Plan is unsatisfactory and if remedial time is available, a learning plan will be drawn up describing deficient areas and strategies for improvement.

**Course Outline Amendments:**

The Professor reserves the right to change the information contained in this course outline depending on the needs of the Learner.

**Electronic Devices in the Classroom:**

Students who wish to use electronic devices in the classroom will seek permission of the faculty member before proceeding to record instruction. With the exception of issues related to accommodations of disability, the decision to approve or refuse the request is the responsibility of the faculty member. Recorded classroom instruction will be used only for personal use and will not be used for any other purpose. Recorded classroom instruction will be destroyed at the end of the course. To ensure this, the student is required to return all copies of recorded material to the faculty member by the last day of class in the semester. Where the use of an electronic device has been approved, the student agrees that materials recorded are for his/her use only, are not for distribution, and are the sole property of the College. Electronic devices such as cameras, cellular phones, MP3 players and personal laptop computers are not permitted in Sault College aircraft on dual flights without prior authorization from the instructor providing dual instruction. Students wishing to use electronic devices on solo flights must identify this request to the authorizing instructor. In the interest of flight safety, the authorizing instructor must approve their use during flight. In the event of an emergency, the pilot in command has the sole discretion of what may be used.

**Tuition Default:**

Students who have defaulted on the payment of tuition (tuition has not been paid in full, payments were not deferred or payment plan not honoured) as scheduled, will be removed from placement and clinical activities. This may result in loss of mandatory hours or incomplete course work. Sault College will not be responsible for incomplete hours or outcomes that are not achieved or any other academic requirement not met as of the result of tuition default. Students are encouraged to communicate with Financial Services with regard to the status of their tuition prior to this deadline to ensure that their financial status does not interfere with academic progress.

**Communication:**

The College considers LMS as the primary channel of communication for each course. Regularly checking this software platform is critical as it will keep you directly connected with faculty and current course information.

**Student Portal:**

The Sault College portal allows you to view all your student information in one place. Mysaultcollege gives you personalized access to online resources seven days a week from your home or school computer. Single log-in access allows you to see your personal and financial information, timetable, grades, records of achievement, unofficial transcript, and outstanding obligations. Announcements, news, the academic calendar of events, class cancellations, your learning management system (LMS), and much more are also accessible through the student portal. Go to <https://my.saultcollege.ca>.

**Disability Services:**

If you are a student with a disability or special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Disability Services office. Visit Student Services or call Extension 2703 so that support services can be arranged for you.

**VII. COURSE OUTLINE ADDENDUM:**

The provisions contained in the addendum located on the portal form part of this course outline.