

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ONTARIO**



**SAULT  
COLLEGE**

**COURSE OUTLINE**

<b>COURSE TITLE:</b>	Meteorology 3		
<b>CODE NO. :</b>	AVF241-1	<b>SEMESTER:</b>	Four
<b>PROGRAM:</b>	Aviation Technology (Flight)		
<b>AUTHOR:</b>	Louis St Pierre, extension 2666, office B1260 louis.stpierre@saultcollege.ca		
<b>DATE:</b>	June 2016	<b>PREVIOUS OUTLINE DATED:</b>	June 2015
<b>APPROVED:</b>		<b>Greg Mapp DIRECTOR</b>	<b>June/16 DATE</b>
<b>TOTAL CREDITS:</b>	2		
<b>PREREQUISITE(S):</b>	AVF111, AFT120		
<b>HOURS/WEEK:</b>	1		

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*For additional information, please contact*  
*Greg Mapp, Director of Aviation*  
*(705) 759-2554, Ext. 2865*

**I. COURSE DESCRIPTION:**

This course reviews the theory and the meteorological services for pilots learned in first year meteorology, and explores more advanced theory in preparation for writing the Transport Canada Commercial Written Exam (CPAER)

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

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

1. Understand and apply Meteorology theory as it applies to Commercial Pilots

Potential Elements of the Performance:

Review of material taken in 1<sup>st</sup> year

2. Interpret and apply weather reports and forecasts

Potential Elements of the Performance:

Review Meteorological information available to pilots

3. Explore advanced Meteorological Theory

Potential Elements of the Performance:

High level meteorology, complex lows, upper fronts

4. Be prepared for the Transport Canada Commercial Written Exam

Potential Elements of the Performance:

Material learned in the semester is to prepare students for writing the Sault College Commercial Qualification exam and the Transport Canada Commercial Exam and serve as a basis for IFR weather.

**III. TOPICS:**

1. Meteorology Theory
2. Meteorological Services for Pilots
3. Advanced Meteorology
4. Preparation for the Commercial Qualification exam and the Transport Canada Commercial Pilot exam

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

Royal Canadian Air Force Weather Manual  
 Royal Canadian Air Force Work Book  
 AIM

Access to internet

**V. EVALUATION PROCESS/GRADING SYSTEM:**

The student will be assessed by a combination of tests and a final exam. Weighting of each will be as follows: 50% for the tests and 50% for the final exam. The final exam will cover all material taught throughout the semester and will approximate the meteorology portion of the Transport Canada written exam. Marks will be deducted for unexcused absences (see special notes for details). In order to pass the course, a minimum grade of B must be achieved, otherwise the course must be repeated in accordance with the Aviation Standard Operating Procedures.

- In order to be excused from class, students must contact the professor by either calling extension 2666 and leaving a message, or by sending an email. In either case, the message must be received prior to the start of class.
- 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. **Make-ups will not be permitted after the fact for compassionate reasons.**
- Dates of tests will be announced at least 1 week in advance.
- If a faculty member determines that a student is at risk of not being successful in their academic pursuits and has exhausted all strategies available to faculty, student contact information may be confidentially provided to Student Services in an effort to offer even more assistance with options for success. Any student wishing to restrict the sharing of such information should make their wishes known to the coordinator or faculty member.

The following semester grades will be assigned to students:

<b>Grade</b>	<b><u>Definition</u></b>	<i>Grade Point Equivalent</i>
A+	90 – 100%	
A	80 – 89%	4.00
B	70 - 79%	3.00
C	60 – 69.4%	2.00
D	50 – 59%	1.00
F (Fail)	49% and below	0.00
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. It is the departmental policy that once the classroom door has been closed, the learning process has begun. Late arrivers may not be granted admission to the room.

Unexcused absences will result in 2% deduction of the final mark for each occurrence, arriving for class late will result in a 1% deduction of the final mark for each occurrence, and violations of the dress code will result in a 1% deduction of the final mark for each occurrence. To avoid losing marks due to illness, you must contact the professor and leave a voice message (which is time-stamped) or an email PRIOR TO THE START OF THE CLASS. Calling after the class begins will indicate that the student simply slept in and was not in fact sick.

### Cell phones and computers

Cell phones are not required for any part of the class activities. Texting and web use will only cause unnecessary distraction, and therefore is not allowed. Anyone using their cell phone during class may be asked to leave for the duration of the class hour. No deduction in marks will occur. Some students like to use their laptop. This is not necessary since all course material is available both in their textbooks or on LMS. Students are allowed to use them but this permission will be withdrawn if a student is caught using their laptop for non-class related use.

## VII. COURSE OUTLINE ADDENDUM:

The provisions contained in the addendum located in D2L and on the portal form part of this course outline.

### 1. Course Outline Amendments:

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

2. 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.

3. Prior Learning Assessment:

Students who wish to apply for advance credit transfer (advanced standing) should obtain an Application for Advance Credit from the program coordinator (or the course coordinator regarding a general education transfer request) or academic assistant. Students will be required to provide an unofficial transcript and course outline related to the course in question. Please refer to the Student Key Dates Calendar for the deadline date by which application must be made for advance standing.

Credit for prior learning will also be given upon successful completion of a challenge exam or portfolio. Student Services can provide information regarding the Prior Learning Assessment and Recognition policy or it can be viewed on the student portal.

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

4. 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. In addition announcements, news, academic calendar of events, class cancellations, your learning management system (LMS), and much more is available. Go to <https://my.saultcollege.ca>.

5. Communication:

The College considers **Desire2Learn (D2L)** 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. Success in this course may be directly related to your willingness to take advantage of this Learning Management System (LMS) communication tool.

6. Accessibility Services:

If you are a student with a disability (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with the Accessibility Services office. Call Ext. 2703 or email [studentsupport@saultcollege.ca](mailto:studentsupport@saultcollege.ca) so that support services can be arranged for you.

7. Audio and Video Recording 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. Students with disabilities who require audio or visual recording devices in the classroom as an accommodation will receive approval from their counsellor once the Audio and Video Recording Devices in the Classroom Policy has been reviewed by the student. Recorded classroom instruction will be used only for individual academic use and will not be used for any other purpose. Recordings may only be used for individual study of materials presented during class and may not be published or distributed. Intentional misuse of audio and video recordings or intentional misrepresentation when requesting the use of a device for recording shall constitute a violation of this policy and laws protecting intellectual property.
  
8. Academic Dishonesty:  
Students should refer to the definition of “academic dishonesty” in the *Student Code of Conduct*. Students who engage in academic dishonesty will be issued a sanction under the Student Code of Conduct which could lead to and include expulsion from the course/program. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, students must use a documentation format for referencing source material.
  
9. Tuition Default:  
Students who have defaulted on the payment of tuition) as of the first week of November (fall semester courses), first week of March (winter semester courses) or first week of June (summer semester courses) will be removed from placement and clinical activities due to liability issues. 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.