



COURSE OUTLINE: AVF241 - METEOROLOGY III

Prepared: Louis St Pierre

Approved: Greg Farish, Chair, Aviation Technology - Flight

Course Code: Title	AVF241: METEOROLOGY III
Program Number: Name	4061: AVIATION TECHNOLOGY
Department:	AVIATION TECHNOLOGY
Academic Year:	2022-2023
Course Description:	This course reviews the theory and meteorological services for pilots learned in first year meteorology, and explore more advanced theory in preparation for writing the Transport Canada Commercial Written Exam (CPAER).
Total Credits:	2
Hours/Week:	1
Total Hours:	15
Prerequisites:	AFT120, AVF122, AVT123, ELR104
Corequisites:	There are no co-requisites for this course.
This course is a pre-requisite for:	AFT250, AVT252, AVT253, AVT257, AVT259
Essential Employability Skills (EES) addressed in this course:	EES 4 Apply a systematic approach to solve problems. EES 5 Use a variety of thinking skills to anticipate and solve problems. EES 6 Locate, select, organize, and document information using appropriate technology and information systems. EES 7 Analyze, evaluate, and apply relevant information from a variety of sources. EES 11 Take responsibility for ones own actions, decisions, and consequences.
Course Evaluation:	Passing Grade: 70%, B A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.
Other Course Evaluation & Assessment Requirements:	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.

Books and Required Resources:

Aeronautical Information Manual by Transport Canada

Royal Canadian Air Force Weather Manual by 1 Canadian Air Division
Publisher: 978-0-660-202060-0

Royal Canadian Air Force Work Book

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
Understand and apply Meteorology theory as it applies to Commercial Pilots	Review of material taken in 1st year
Course Outcome 2	Learning Objectives for Course Outcome 2
Interpret and apply weather reports and forecasts	Review Meteorological information available to pilots
Course Outcome 3	Learning Objectives for Course Outcome 3
Explore advanced Meteorological Theory	High level meteorology, complex lows, upper fronts
Course Outcome 4	Learning Objectives for Course Outcome 4
Be prepared for the Transport Canada Commercial Written Exam	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.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Final exam	50%
Tests	50%

Date:

July 4, 2022

Addendum:

Please refer to the course outline addendum on the Learning Management System for further information.

