COURSE OUTLINE

AVT361

Prepared: Louis St Pierre   Approved: Greg Mapp
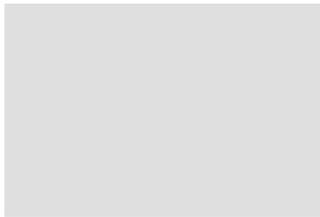
Course Code: Title	AVT361: METEOROLOGY IV
Program Number: Name	4061: AVIATION TECHNOLOGY
Department:	AVIATION TECHNOLOGY
Semester/Term:	17F
Course Description:	This course reviews meteorology theory already learned, and explores the methods of using meteorological services available to pilots to prepare for an IFR flight. More advanced theory is also introduced. This course is in preparation for writing the Transport Canada Instrument Rating Exam (INRAT).
Total Credits:	3
Hours/Week:	1
Total Hours:	15
Prerequisites:	AFT130, AVT252, AVT253, AVT257, AVT259
This course is a pre-requisite for:	AFT370, AVT375, AVT377, AVT378
Essential Employability Skills (EES):	#4. Apply a systematic approach to solve problems. #5. Use a variety of thinking skills to anticipate and solve problems. #6. Locate, select, organize, and document information using appropriate technology and information systems. #7. Analyze, evaluate, and apply relevant information from a variety of sources. #11. Take responsibility for ones own actions, decisions, and consequences.
Course Evaluation:	Passing Grade: 70%, B
Other Course Evaluation & Assessment Requirements:	Assignment handed in late: handed in next day after due date: 25% deduction. 2 days late: 50% deduction. Three days: 75%. Projects will not be accepted after that and a mark of zero awarded In order to be excused from class, students must either call extension 2666 and leave a message, are send 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,

COURSE OUTLINE

AVT361

Prepared: Louis St Pierre   Approved: Greg Mapp

	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.
Evaluation Process and Grading System:	<table><tr><th>Evaluation Type</th><th>Evaluation Weight</th></tr><tr><td>Assignment</td><td>10%</td></tr><tr><td>Final exam</td><td>50%</td></tr><tr><td>Tests</td><td>40%</td></tr></table>
Books and Required Resources:	Aeronautical Information Manual by Transport Canada CAP GEN (Canada Air Pilot General section) by NavCanada Obtained by subscription as part of another course
Course Outcomes and Learning Objectives:	**Course Outcome 1.** Demonstrate a practical knowledge of meteorology theory taken in first and second year **Learning Objectives 1.** A review of fundamentals of weather, Icing, Turbulence, Thunderstorms, Aviation Weather Reports, Aviation forecasts, Weather maps and prognostic charts, Weather interpretation as it applies to the Instrument Rated Pilot **Course Outcome 2.** Interpret weather reports and forecasts **Learning Objectives 2.**

COURSE OUTLINE

AVT361

Prepared: Louis St Pierre   Approved: Greg Mapp

Review GFA and other reports and forecasts

Course Outcome 3.

Apply Air Regulations as it applies to IFR flight, with respect to the weather requirements

Learning Objectives 3.

Departure, approach and landing minima, alternate minima.

Course Outcome 4.

Make a go/no go decision with respect to an IFR flight

Learning Objectives 4.

Determine what weather products to retrieve, then interpret them to form the appropriate decision

Date: Thursday, August 31, 2017

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