



COURSE OUTLINE

AVT252

Prepared: Louis St Pierre Approved: Greg Mapp

Course Code: Title	AVT252: NAVIGATION IV
Program Number: Name	4061: AVIATION TECHNOLOGY
Department:	AVIATION TECHNOLOGY
Semester/Term:	18W
Course Description:	This course explores the remainder of the radio navigation aids not covered in AVT242 and puts to practice radio navigation as well as dead reckoning skills in preparation for writing the Transport Canada Commercial Written Exam (CPEAR).
Total Credits:	1
Hours/Week:	1
Total Hours:	15
Prerequisites:	AFT120, AVF241, AVF242, AVF245, AVT248
Substitutes:	AVF252
This course is a pre-requisite for:	AFT360, AVT361, AVT363, AVT364, AVT366, AVT369
Essential Employability Skills (EES):	#3. Execute mathematical operations accurately. #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:	In order to be excused from class due to illness or other unforeseen circumstance, students must call the professor at extension 2666 and leave a message prior to the start of class. An email is also acceptable, but must be sent 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.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Final exam	50%
Tests	50%

Course Outcomes and Learning Objectives:

Course Outcome 1.

Use Radio Navigation aids

Learning Objectives 1.

Position fixes, identify position using cross bearings, identify waypoints and intersections, intercepting tracks and airways

Course Outcome 2.

Apply dead reckoning and radio navigation

Learning Objectives 2.

Review of basic dead reckoning navigation, calculate time and distance using bearing changes, reciprocal track, radio reception range

Course Outcome 3.

Demonstrate that they have the knowledge required to pass the navigation section of the Transport Canada Written Exam (CPAER)

Learning Objectives 3.

Final preparation for the Sault College Qualification exam and the Transport Canada exam

Date:

Thursday, February 8, 2018

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