

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

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	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:	From The Ground Up Publisher: Aviation Publishers Co. Ltd. Edition: 29th or higher is best ISBN: 978-0-9730036-3-5	
Course Outcomes and Learning Objectives:	Course Outcome 1	Learning Objectives for Course Outcome 1
	Understand the theory and use of the VHF Omni Range (VOR)	theory of operation, the equipment, serviceability checks, orientation, intercepting inbound and outbound tracks, advantages and disadvantages, the HSI
	Course Outcome 2	Learning Objectives for Course Outcome 2
	Understand the theory and use of the Automatic Direction Finder (ADF) and the Non-directional Beacons (NDB)	theory of operation, the equipment, serviceability checks, orientation, intercepting inbound and outbound tracks, advantages and disadvantages, inaccuracies of the ADF, the RMI
	Course Outcome 3	Learning Objectives for Course Outcome 3
	Understand the theory of Global Positioning System (GPS) technology and use the GTN650 GPS that is used in Sault College aircraft and simulators	GPS theory, RAIM, databases, signal augmentation, the Garmin GTN650 and the Aspen usage
	Course Outcome 4	Learning Objectives for Course Outcome 4
	Understand and apply the use of radio navigation aids in preparation for the Sault College Commercial Qualification exam and the Transport Canada Commercial Pilot exam.	The theory and practical knowledge prepares students for the Transport Canada Commercial Pilot written exam and flight test, as well as the Commercial Qualification exam
Evaluation Process and Grading System:	Evaluation Type Evaluation	n 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.	

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