



COURSE OUTLINE: AFT370 - FLIGHT TRAINING VI

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Approved: Greg Mapp, Chair, Aviation Technology - Flight

Course Code: Title	AFT370: FLIGHT TRAINING VI
Program Number: Name	4061: AVIATION TECHNOLOGY
Department:	AVIATION TECHNOLOGY
Semesters/Terms:	20W
Course Description:	<p>This course completes flight training toward the Integrated Commercial Pilot License with a group 1 Instrument Rating ICPL(IR).</p> <p>This course involves the multi-engine instrument simulator and flight training for the issuance of a Group 1 Instrument rating. Key objectives include improving skills and building flight time in preparation for the Transport Canada Flight Test.</p> <p>Stage Checks:</p> <ul style="list-style-type: none">• Group 1 Multi-Engine IFR Flight Test
Total Credits:	9
Hours/Week:	2
Total Hours:	36
Prerequisites:	AFT360, AVT361, AVT363, AVT364, AVT366, AVT369
Corequisites:	There are no co-requisites for this course.
Essential Employability Skills (EES) addressed in this course:	<p>EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.</p> <p>EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.</p> <p>EES 3 Execute mathematical operations accurately.</p> <p>EES 4 Apply a systematic approach to solve problems.</p> <p>EES 5 Use a variety of thinking skills to anticipate and solve problems.</p> <p>EES 6 Locate, select, organize, and document information using appropriate technology and information systems.</p> <p>EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.</p> <p>EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.</p> <p>EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.</p> <p>EES 10 Manage the use of time and other resources to complete projects.</p> <p>EES 11 Take responsibility for ones own actions, decisions, and consequences.</p>
Course Evaluation:	Satisfactory/Unsatisfactory
Other Course Evaluation & Assessment Requirements:	The course outlines are designed to match the academic semester a student is in, however the academic semester does not always match the phase of flight training. For example phase 7 is



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designed to be completed in AFT370, but, due to circumstance beyond the control of either the student or the college this is not always the case. Therefore, providing the student is proceeding at a satisfactory level in the flight training, they will be awarded an X grade.

Books and Required Resources:

Aviation headset (for airplanes, not helicopters)

Flight Training Manual by Transport Canada

Piper Seminole (PA44) Information Manual (manual part number 761-873 applicable to aircraft : Aircraft

Instrument Procedures Manual, 5th edition. by Transport Canada

Current Edition Canada Flight Supplement by NavCanada
<http://www.navcanada.ca/EN/products-and-services/Pages/aeronautical-information-products-c>

Current Edition Sault Ste Marie VFR Navigation Chart by NavCanada
<http://www.navcanada.ca/EN/products-and-services/pages/aeronautical-information-products-cl>

Current edition of Enroute Low Altitude 3 & 4 (LO3&4), 5 & 6 (LO5&6) by NavCanada
<http://www.navcanada.ca/EN/products-and-services/pages/aeronautical-information-products-cl>

Current edition of Canada Air Pilot 4 (CAP4) by NavCanada
<http://www.navcanada.ca/EN/products-and-services/Pages/aeronautical-information-products-p>

Current edition of the Canadian Terminal Area Charts (TAC) by NavCanada
<http://www.navcanada.ca/EN/products-and-services/Pages/aeronautical-information-products-cl>

Flight Planning Tools

Douglas Protractor, Flight Computer, Fuel Tester, Flashlight

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
Maintain satisfactory progress in achieving the standards of the lesson plans in the phase of flight in which they are currently training.	Achieve satisfactory progress on lesson plans completed to date. Successfully complete: <ul style="list-style-type: none"> • Group 1 Instrument Rating • Integrated Commercial Pilot Licence
Course Outcome 2	Learning Objectives for Course Outcome 2
Be considered safe and competent in the operation of Sault College aircraft.	Demonstrate a high degree of proficiency in all normal and emergency procedures. This includes the ability to verbalize verbatim all memory checklist items. Demonstrate effective decision making when deciding to fly. This includes their personal fitness, weather, our SOPs and the airworthiness of the aircraft.
Course Outcome 3	Learning Objectives for Course Outcome 3
Behave as a Professional Pilot	Be available, prepared and attend all scheduled lesson plans. Perform periodically assigned duties such as dispatch, ground handler and assisting in the movement of aircraft. Maintain a positive attitude and a spirit of co-operation. This esprit de corps promotes a positive learning environment.

	Be aware of and attempt to limit the adverse consequence of any hazardous attitudes.
Course Outcome 4	Learning Objectives for Course Outcome 4
Retain sufficient theoretical knowledge to understand and apply the concepts taught during flight or simulator training	Attend all assigned and scheduled preparatory ground school classes. Successfully pass any knowledge confirmation quizzes, tests and exams <ul style="list-style-type: none"> • Sault College Instrument Rating Qualifier • Transport Canada Instrument Rating Test Written Test (INRAT)
Course Outcome 5	Learning Objectives for Course Outcome 5
Achieve all Dual pilot training experience required by Transport Canada for the Group 1 Instrument Rating being sought. The student must have all the experience and knowledge requirements to be eligible for the IFR flight test and for issuance of the commercial licence.	Achieve experience requirements: Dual Instrument: 40hours Dual IFR cross-country (actual or simulated): 100nm

Date: August 1, 2019

Addendum: Please refer to the course outline addendum on the Learning Management System for further in