



## COURSE OUTLINE: AFT120 - FLIGHT TRAINING I

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Approved: Greg Mapp, Chair, Aviation Technology - Flight

<b>Course Code: Title</b>	AFT120: FLIGHT TRAINING I
<b>Program Number: Name</b>	4061: AVIATION TECHNOLOGY
<b>Department:</b>	AVIATION TECHNOLOGY
<b>Semesters/Terms:</b>	19W
<b>Course Description:</b>	This course is the introduction to flight training. For students with or without a private pilot licence, training will involve the first solo stage of flight training. Additionally, students will write the Sault College Private Qualification Exam in order to qualify for writing the Transport Canada Written Exam (PPAER).
<b>Total Credits:</b>	2
<b>Hours/Week:</b>	3
<b>Total Hours:</b>	39
<b>Prerequisites:</b>	AVF111, AVF115, AVF117, AVT119, CMM115, GEN100, MTH612, PHY125
<b>Corequisites:</b>	There are no co-requisites for this course.
<b>This course is a pre-requisite for:</b>	AFT130, AVF241, AVF242, AVF245, AVT248, AVT252, AVT253, AVT257, AVT259
<b>Essential Employability Skills (EES) addressed in this course:</b>	<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 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>
<b>Course Evaluation:</b>	Satisfactory/Unsatisfactory
<b>Other Course Evaluation &amp; Assessment Requirements:</b>	<p>Successful completion of the Sault College Private Qualification Exam (minimum mark of 70%)  Completion of Phase 2 fights and assessed safe for solo</p> <p>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 2 is designed to be completed in AFT120, 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. AFT120 must be completed before Phase 4 in order for the student to be able to register in Semester 4.</p>



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**Books and Required Resources:**

Aviation headset (for airplanes, not helicopters)

Flight Training Manual by Transport Canada

Edition: 4th edition (revised)

ISBN: 0-660-19351-5

<http://publications.gc.ca/site/eng/9.649390/publication.html>

Zlin 242 Pilots Operating Handbook by Moravan

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-c>

Flight Planning Tools

Douglas Protractor, Flight Computer, Fuel Tester, Flashlight

**Course Outcomes and Learning Objectives:**

<b>Course Outcome 1</b>	<b>Learning Objectives for Course Outcome 1</b>
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: - Pass with a grade of 70% or greater the Sault College PPL Qualifier written examination
<b>Course Outcome 2</b>	<b>Learning Objectives for Course Outcome 2</b>
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.
<b>Course Outcome 3</b>	<b>Learning Objectives for Course Outcome 3</b>
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.
<b>Course Outcome 4</b>	<b>Learning Objectives for Course Outcome 4</b>
Retain sufficient theoretical knowledge to understand and apply the concepts taught during flight or simulator training	Attend all assigned and scheduled Preparatory Ground Instruction (PGI) classes.  Successfully pass any knowledge confirmation quizzes, tests and exams - Pre-Solo Test of Air Regulations (PSTAR)



- Radio Operators Certificate written Test (ROC)  
- College Operations and Training manual quizzes  
Assessed safe for solo

**Date:**

July 30, 2018

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

