

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: AMRT 402			Number of Credits: 6 Course credit policy (105)						
Course Full Title: Aircraft Systems									
Course Short Title (if title exceeds 30 charac	ters): Aircraf	t Systems	;						
Faculty: Faculty of Applied and Technical Studies			Department (or program if no department):						
Calendar Description:									
Students will learn about the function, purpos fire protection, environmental control, and en					f hydraulic, pneumatic, t	fuel, ice and rain protection,			
Prerequisites (or NONE): Admission to the Aircraft Mair				aintenance Engineer M-Licence certificate program.					
Corequisites (if applicable, or NONE): NONE									
Pre/corequisites (if applicable, or NONE):	NONE								
Equivalent Courses (cannot be taken for additional credit) Former course code/number: Cross-listed with: Equivalent course(s): Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.				Transfer credit already exists: □ Yes ⊠ No Transfer credit requested (OReg to submit to BCCAT): □ Yes ⊠ No (if yes, fill in transfer credit form) Resubmit revised outline for articulation: □ Yes ⊠ No To find out how this course transfers, see bctransferguide.ca .					
Total Hours: 90 Typical structure of instructional hours:					Special Topics Will the course be offered with different topics?				
Lecture hours				🗌 Yes 🖾 No					
Seminars/tutorials/workshops			1	lf ves di	If yes, different lettered courses may be taken for credit No Yes, repeat(s) Yes, no limit				
Laboratory hours				-					
Field experience hours					Note: The specific topic will be recorded when offered.				
Experiential (practicum, internship, etc.)			-	Note: The					
Online learning activities				Maximu	m enrolment (for inform	ation only):			
Other contact hours:					-				
	Total	90			d frequency of course every other year, etc.):	offerings (every semester,			
Department / Program Head or Director: Rolf Arnold					Date approved:	March 2017			
Faculty Council approval					Date approved:	March 2017			
Campus-Wide Consultation (CWC)				Date of posting:	April 13, 2017				
Dean/Associate VP: John English					Date approved:	March 2017			
Undergraduate Education Committee (UEC) approval					Date of meeting:	April 21, 2017			

Learning Outcomes

Upon successful completion of this course, students will be able to:

- Describe aircraft operating systems, including ice and rain protection, fire protection, environmental control, and emergency equipment
- Troubleshoot aircraft system faults using troubleshooting aids
- Perform maintenance tasks in aircraft systems

Prior Learning Assessment and Recognition (PLAR)

Yes Xo, PLAR cannot be awarded for this course because Transport Canada Approval restricts PLAR

Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion) Presentations, online lessons, practical lab, and workshop exercises.

Grading system: Letter Grades: Credit/No Credit: Labs to be scheduled independent of lecture hours: Yes No 🛛

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

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Typical Evaluation Meth	oment (Ph	PE)	are, hardware, tools, s	pecialized clothir	ng, etc.)		
QUIZZES/IESIS.	50%	Shop work:	50%			Total:	100%
	3: systems nd Rain p	rotection systems					
A5 Describe Emer A6 Troubleshoot a	onmental rgency Sy aircraft sys	Control systems stems and equipm					
EARNING STEPS:							
	nd compl	ete online lessons					
Perform worksheets and projects as described							
		eptable level (pass ith a minimum grac					
PRACTICAL EXERCISES Practical assessments mu • AMRT 402-P1 (F • AMRT 402-P2 (H	ist indicate Fuel Syste ce and Ra Fire Detect		ect and Test)	y:			

- AMRT 402-T1 (Aircraft Systems-1)
- AMRT 402-T2 (Aircraft Systems-2)