

I. 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 (CPAER).

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

Upon successful completion of this course, the student will demonstrate the ability to:

1. use Radio Navigation aids

Potential Elements of the Performance:

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

2. apply dead reckoning and radio navigation

Potential Elements of the Performance:

review of basic dead reckoning navigation, calculate time and distance using bearing changes, sun's true bearing, reciprocal track, radio reception range

3. show that the student has the knowledge required to pass the navigation section of the Transport Canada Written Exam (CPAER)

Potential Elements of the Performance:

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

III. TOPICS:

1. Radio Navigation
2. Other nav aids
3. Dead reckoning navigation
4. The Transport Canada Commercial Pilot Written Exam

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

From the Ground UP
 Aeronautical Information Manual (AIM)
 LO charts
 VNC charts
 Canada Flight Supplement

V. EVALUATION PROCESS/GRADING SYSTEM:

The student will be assessed by a combination of attendance, quizzes, tests and a final exam. Weighting of each will be as follows: 10% for quizzes, 40% for all tests prior to the final exam and 50% for the final exam. A minimum mark of 70% is required to pass the course. Make-up tests are not permitted except in accordance with section VI of this outline.

- If the class agrees, the navigation section of the Commercial Qualification exam may be used as a final exam.
- Unexcused absences will result in 2% deduction of the final mark for each occurrence, arriving for class late will result in a 1% deduction of the final mark for each occurrence, and violations of the dress code will result in a 1% deduction of the final mark for each occurrence.
- Quizzes will be given without prior notice.
- If it is necessary to write a second final exam in order to pass the course, the highest grade achievable will be a "C". (See make-up policy in section VI)
- Students may request a deferment of a test **prior to writing that 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.**
- **"F" grades in any subject at the end of a semester will result in termination from the Aviation program.**
- Dates of tests will be announced at least 1 week in advance.

The following semester grades will be assigned to students:

Grade	<u>Definition</u>	<i>Grade Point Equivalent</i>
A+	90 – 100%	4.00
A	80 – 89%	3.00
B	70 - 79%	2.00
C	assigned if a make-up exam was required to complete the course	2.00
F (Fail)	69.5% and below	0.00
X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.	
NR	Grade not reported to Registrar's office.	
W	Student has withdrawn from the course without academic penalty.	

VI. SPECIAL NOTES:**Attendance:**

Sault College is committed to student success. There is a direct correlation between academic performance and class attendance; therefore, for the benefit of all its constituents, all students are encouraged to attend all of their scheduled learning and evaluation sessions. This implies arriving on time and remaining for the duration of the scheduled session. *It is possible that once the classroom door has been closed, late arrivers will not be granted admission to the room*

Make-up Policy

- No make-ups on tests occurring prior to final exams.
- No make-ups on quizzes.
- If the final grade achieved for this course is less than 70%, a second final exam may be written at the discretion of the professor for this course. The grading system will be modified as follows: the first exam attempt will be weighted at 25% instead of the original 50% of the final mark, and the make-up exam will be weighted at 25% of the final mark. The minimum mark for the course is still 70% or better after the grade has been re-calculated to include the make-up exam.
- In the event that a second final exam is required, the highest achievable overall grade for this course will be a C
- Any student that requires 90% or greater on a make-up exam to pass the course will not be allowed to write a make-up exam.

VI. COURSE OUTLINE ADDENDUM:

The provisions contained in the addendum located on the portal form part of this course outline.