

**SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE MARIE, ON**



COURSE OUTLINE

Course Title: Aeronautics 2

Code No.: AVT 100-5

Semester: two

Program: Aviation Technology (flight)

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Date: December 1997 Previous Outline Date: January 1997

Approved:

L. DeRosario

Dean

Dec 5/97

Date

Total Credits: 5

Prerequisite(s): AVT 101-4

Length of Course: 16 weeks Total Credit Hours: 32 periods

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For additional information, please contact Kitty DeRosario, Dean, School of Trades
& Technology, (705) 759-2554, Ext. 642.



COURSE NAME

COURSE NUMBER

I. COURSE DESCRIPTION:

To teach the theory and practice of Aviation Technology, with emphasis in the study for the completion of the Private Pilot Licence Standard

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

(Generic Skills Learning Outcomes placement on the course outline will be determined and communicated at a later date.)

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

- 1) Understand and use the theory and techniques of dead reckoning navigation, with a additional knowledge of radio navigation aids, and complete the navigation portion of the DOT Private Pilot Exam

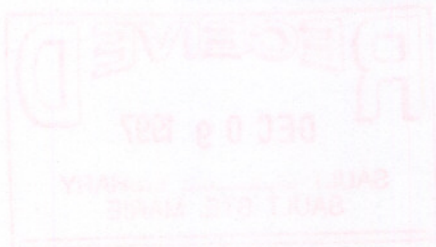
Potential Elements of the Performance:

use of flight computers, navigation logs, preparation for cross country flight, mental dead reckoning, basic radio navigation

- 2) understand the theory of navigation and complete the meteorology portion of the DOT Private Pilot exam

Potential Elements of the Performance:

thunderstorms, icing, high level weather, meteorological information available to pilots, weather reports and forecasts, and any other meteorology not taken in AVT 101



COURSE NAME _____

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**II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE
(Continued)**3) understand the systems of the Zlin 242

Potential Elements of the Performance:

the Zlin 242 POH sections including: general, operating limitations, emergency, normal procedures, performance, weight and balance,4) understand the general knowledge required for the completion of the general knowledge section of the DOT Private Pilot Exam

Potential Elements of the Performance:

weight and balance, aircraft performance charts, theory of flight, aircraft instrumentation**III. TOPICS:**

- 1) Navigation
- 2) Meteorology
- 3) Zlin Systems
- 4) General Knowledge

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

From the Ground Up

Zlin 242 ground school manual

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V. EVALUATION PROCESS/GRADING SYSTEM

The student will be assessed by tests following the delivery of each topic. Weighting of each test within a topic will be 50 % for all tests prior to the final and 50 % for the final exam. Each topic is then averaged together for the overall mark for final semester grade.

GRADE:

- A+ - 93 - 100%
- A - 87 - 92%
- B - 80 - 86%
- C - 70 - 79%
- R - Below 70%

- Students may request a deferment of a 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. **Rewrites will not be permitted after the fact for compassionate reasons.**

- **"R" grades in any subject at the end of a semester will result in termination from the program. Re-writes in aviation subjects are not permitted except as provided in the re-write policy below.**

- Attendance is mandatory for all Aviation classes unless approval is granted in advance.

- Although attitude, co-operation, etc., are not graded, students may be terminated based on their performance in this area. These attributes are also considered in the selection of the Air Canada Award and other scholarships.

- Dates of tests will be announced at least 1 week in advance.

VI. SPECIAL NOTES:

RE-WRITE POLICY

- No re-writes on mid-term tests.
- An individual section of AVT 100 may be re-written in the event of a failure provided the overall semester average is 70% or greater and the failed section is within 5% of a pass. (i.e. 65% or above) If more than one section is failed, re-writes will not be permitted. The re-written section will be averaged with the failed section to determine the resulting mark which must be 70% or above to pass.
- No re-writes on any D.O.T. exam.

- Special Needs

If you are a student with special needs (eg. physical limitations, visual impairments, hearing impairments, learning disabilities), you are encouraged to discuss required accommodations with the instructor and/or contact the Special Needs Office, Room E1204, Ext. 493, 717, 491 so that support services can be arranged for you.

- Retention of Course Outlines

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It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other post-secondary institutions.

VII. PRIOR LEARNING ASSESSMENT

Students who wish to apply for advanced credit in the course should consult the instructor. Credit for prior learning will be given upon successful completion of the following:

