

#258

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

COURSE TITLE: AERONAUTICS

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CODE NO.: AVT110 - 6 SEMESTER: 3

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PROGRAM: AVIATION TECHNOLOGY (FLIGHT)

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AUTHOR: BILL GOVETT

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DATE: MAY 1992 PREVIOUS OUTLINE DATED: SEPTEMBER 1990

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APPROVED: \_\_\_\_\_  
DEAN

\_\_\_\_\_  
DATE

AERONAUTICS

AVT110 - 6

\_\_\_\_\_  
COURSE NAME

\_\_\_\_\_  
CODE NO.

TOTAL CREDIT HOURS \_\_\_\_\_

PREREQUISITE(S): Completion of Semesters one and two with a  
3.0 G.P.A.

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I. **PHILOSOPHY/GOALS:** To teach the theory and practice of Aviation Technology, with emphasis in study toward the private pilot licence standard as required by the Ministry of Transport.

II. **STUDENT PERFORMANCE OBJECTIVES:**

Upon successful completion of this course the student will:

- 1) be admitted to fourth semester academics and flight training
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_

III. **TOPICS TO BE COVERED:**

- First Aid - 15 hours (2 days) (5 evening pds. 3 hours)
- Preparatory Flight Lessons - 12 periods, 24 hours
- Navigation Review - 4 periods, 4 hours
- Meteorology Review - 4 periods, 4 hours
- Theory of Flight Review - 2 periods, 2 hours
- Air Regulations - 4 periods, 4 hours
- Airframes and Engines - 2 periods, 2 hours
- Instruments - 12 periods, 2 hours

IV. LEARNING ACTIVITIES

REQUIRED RESOURCES

Navigation

Review of previous lessons  
and F.G.U.

Meteorology

Review of previous lessons  
and F.G.U.

Theory of Flight

Review of previous lessons  
and F.G.U.

Air Regulations

Review of previous lessons  
and F.G.U.

Airframes and Engines

Review of previous lessons  
and F.G.U.

Instruments

Review of previous lessons  
and F.G.U.

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**V. EVALUATION METHODS: (INCLUDES ASSIGNMENTS, ATTENDANCE REQUIREMENTS, ETC.)**

The student will be assessed by testing subject matter, with a final semester examination. Credit for block tests will be weighted and applied to the final semester grade.

These tests will be in addition to the Transport Canada Private Examination (minimum 70%), as well as a pass of 60% in all segments.

**FLYING**

- assessment is continuous, based on instructor evaluation and documented by progress books
- periodic progress checks with faculty to determine suitability to continue
- private pilot flight test or progress check at the end of the semester.

**ACADEMIC**

- all AVT110 subjects are grouped together.

Test results are totalled and reduced to a percentage for final marks.

A Sault College Private Pilot pre-test with a mark of 70% and 60% in all sections is required to remain in the program. This test will be written in addition to the Transport Canada Private Pilot Examination. The M.O.T. Private Pilot must be passed with a minimum of 70% and 60% in all segments to continue in the program. No re-writes will be permitted in either pre-test or M.O.T. Private Pilot Written Examination. An "R" grade will be awarded for AVT110 in the event of a failure.

**GRADE**

A+ = 93 - 100%  
A = 87 - 92%  
B = 80 - 86%  
C = 70 - 79%  
X = Below 70% (final extenuating circumstances only)  
R = Below 70%

- In the event of a failure in one AVT subject, the highest grade achievable will be a "C". Failure of two or more AVT subjects will result in an "R" grade.
- A 2.8 G.P.A. is considered minimum acceptable and student progress will be reviewed if below that grade.
- D.O.T. exams are not included in college grades although minimum of 70% as well as a pass of all segments is required to continue on course. An "R" grade will be awarded for AVT in the event of a failure.
- Attendance is mandatory for all Aviation classes.
- 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.

**VI. REQUIRED STUDENT RESOURCES**

As per Book List

**VII. ADDITIONAL RESOURCE MATERIALS AVAILABLE IN THE COLLEGE LIBRARY:**

Book Section (TITLE, PUBLISHER, EDITION, DATE, LIBRARY CALL NUMBER IF APPLICABLE - SEE ATTACHED EXAMPLE)

Periodical Section (MAGAZINES, ARTICLES)

Audiovisual Section (FILMS, FILMSTRIPS, TRANSPARENCIES)

**VIII. SPECIAL NOTES**

Students with special needs (eg. physical limitations, visual impairments, hearing impairments, learning disabilities) are encouraged to discuss required accommodations confidentially with the instructor.

Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of students.