

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: AIR REGULATIONS, AIR TRAFFIC RULES AND REGULATIONS

Code No.: AVT 100-6

Program: AVIATION TECHNOLOGY

Semester: ONE

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 Chairperson Date

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AIR REGULATIONS, AIR TRAFFIC RULES AND REGULATIONS

AVT 100-6

Course Name

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PHILOSOPHY/GOALS:

The objectives of this course is to ensure the aviation student is fully familiar with the regulations, procedures and aeronautical information contained in the texts so that he may:

- a) successfully complete the Ministry of Transport examinations
- b) apply this knowledge intelligently to flight operations

METHOD OF ASSESSMENT (GRADING METHOD):

TOPIC NO.	PERIODS	TOPIC DESCRIPTION	REFERENCE
1	1	Air Regulations	Air Regulations and Aeronautics Act Part 1, through 8 A.I.P. Canada
2	1	Air Navigation Orders	Air Navigation Orders Series 1,2,3,4,5 A.I.P. Canada
3	1	General Aerodromes	A.I.P. Canada - Gen VFR Chart Supplement
4	1	Communications	A.I.P. Canada - COM
5	3	Rules of the Air and Air Traffic Services	A.I.P. Canada - RAC
6	1	Search and Rescue	A.I.P. Canada - SAR
7	1	Licensing, Registration and Airworthiness	A.I.P. Canada - LRA -Transport Canada letter re: A/C serviceability and documentation -sample documents

8	1	Airmanship	A.I.P. Canada - AIR
9	1	Notams Aeromautical Inform- ation Circulars	A.I.P. Canada - Map - Notam - AIC
10	1	Examination (SPCR)	
11	1	Private Pilot Examination	

TEXTBOOK(S):

Aeronautical Information Publication (A.I.P.) - Transport Canada

STUDY AND REFERENCE GUIDES:

Air Regulations and Aeronautics Act - Transport Canada

Air Navigation Orders - Transport Canada

Class II NOTAMS - Transport Canada

Transport Canada - Flight Training Manual
- Study & Reference Guide
- Study Questions for Private Pilots
- Sample Examination for Private Pilots
- Handout re: Serviceability & Documentation

SPECIFIC OBJECTIVES:

1. Air Regulations

The student is required to be fully familiar with:

- a) the definitions and terminology described in Part 1
- b) aircraft registration, certification and markings
- c) aerodrome regulations
- d) personnel licensing regulations
- e) rules of the air - general
 - VFR
 - IFR
 - lights and visual signals

- f) air traffic control regulations
- g) miscellaneous provisions including certificates, licences, manuals logs and records, aircraft accident investigation and transitional procedures
- h) aeronautics act

2. Air Navigation Orders

The student is required to be fully familiar with:

- a) ANO series 1 - Communications Standards & Procedures
- b) ANO series 2 - Registration, Certification and Marking
- c) ANO series 3 - Aerodromes
- d) ANO series 4 - Personnel Licensing
- e) ANO series 5 - Rules of the Air

3. General, Aerodromes

The student is required to be fully familiar with:

- a) general - aeronautical terms
 - abbreviations
 - time zones
 - units of measurement
 - conversions
 - Nationality and registration marks
- b) aerodromes - aerodrome administration
 - design criteria
 - visual aids
 - lighting
 - military arrestor cables
 - maintenance
 - Emergency services
 - Bird hazard control
 - Regulatory information

4. Communications

The student is required to be fully familiar with:

- a) Areas of responsibility
- b) Radio Navigation Aids
- c) Mobile Service - language
 - phonetic alphabet and morse code
 - numbers
 - call signs
 - Emergency communications

5. Rules of the Air and Air Traffic Services

The student is required to be fully familiar with:

- a) General rules and services
- b) Airspace - requirement and procedures
- c) Flight planning
- d) Airport operations
- e) VFR enroute procedures

6. Search and Rescue

The student is required to be fully familiar with:

- a) Responsible authority
- b) Flight planning as it affects S & R
- c) Emergency locator transmitter (ELT)
- d) Emergency assistance
- e) Safety promotion and investigation

7. Licensing, Registration and Airworthiness

The student is required to be fully familiar with:

- a) Aircraft licensing and registration procedures and documentation
- b) Aircraft airworthiness requirements and documentation
- c) Pilot licensing procedures and privileges

8. Airmanship

The student is required to be fully familiar with:

- a) flight operations
- b) flight preparation and ground operations including medical factors

9. NOTAMS, Aeronautical Information Circulars

The student is required to be fully familiar with:

- a) NOTAM - distribution
 - criteria for issue
 - summaries
 - format
- b) Aeronautical Information Circulars - purpose
 - distribution