

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ONTARIO**



Sault College

**COURSE OUTLINE**

**COURSE TITLE:** AIR REGULATIONS (CARS)  
**CODE NO. :** ASR112 **SEMESTER:** 2  
**PROGRAM:** AIRCRAFT STRUCTURAL REPAIR  
**AUTHOR:** STEVE LACHOWSKY  
**DATE:** Jan. 2005 **PREVIOUS OUTLINE DATED:** Jan. 2004  
**APPROVED:**

	_____	_____
	<b>DEAN</b>	<b>DATE</b>

**TOTAL CREDITS:** 2  
**PREREQUISITE(S):**  
**HOURS/WEEK:** 2

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*For additional information, please contact Colin, Kirkwood, Dean*  
*School of Technology, Skilled Trades & Natural Resources*  
*(705) 759-2554, Ext. 688*

**COURSE DESCRIPTION:****I.**

In this course, students will be introduced to the various sections found in Transport Canada's Air Regulatory Library (CAR's). The Canadian Aviation Regulations will be studied and discussed to give the student a clear understanding of the procedures that must be adhered to in Canada's aircraft maintenance industry. Logbook entries and Airworthiness Publications will be studied.

**II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:**

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

1. Discuss Transport Canada's aviation regulations as they pertain to structural repairs.

Potential Elements of the Performance:

- discuss the purpose for Air Regulations as they pertain to aircraft safety
- describe how to access the CAR's to obtain information about a specific publication
- discuss A.M.O. organizations and the requirements as per CAR's
- describe the purpose of a Maintenance Control Manual
- discuss weight and balance control as per CAR's
- identify abbreviations used in CAR's

2. Describe aircraft publications as they apply to structural repairs.

Potential Elements of the Performance:

- discuss various publications needed for the safe operation of aircraft and related equipment
- discuss the importance of aeronautical publications
- describe the difference between a service bulletin and an Airworthiness Directive
- discuss Federal Aviation Regulations
- identify who is responsible for issuing service bulletins and other publications

3. Discuss and identify how to complete log book entries.

Potential Elements of the Performance:

- identify both Journey and Technical Logbooks
- discuss what information should be entered in both Logbooks
- describe all the various sections of the Technical Logbooks

- identify where Service Bulletin completions can be verified using the Technical Logbooks
- Describe how to make maintenance entries in each of the two Logbooks

### III. TOPICS:

1. Air Regulations
2. Aeronautical Publications
3. Aircraft Logbooks

### IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

A/C 65-9A Textbook  
 Teacher Handouts  
 CAR's (Online)

### V. EVALUATION PROCESS/GRADING SYSTEM:

One written test (Test #21): Accounts for 100% of the final grade.

**Note: Students in the Aircraft Structural Repair Program require a minimum of seventy (70) percent in a course to obtain a passing grade. This equates to a "B" grade.**

The following semester grades will be assigned to students in postsecondary courses:

<b>Grade</b>	<b>Definition</b>	<i>Grade Point Equivalent</i>
A+	90 – 100%	
A	80 – 89%	4.00
B	70 - 79%	3.00
C	60 - 69%	2.00
D	50 – 59%	1.00
F (Fail)	49% and below	0.00
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field /clinical placement or non-graded subject area.	
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.	

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:

### Special Needs:

If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Special Needs office. Visit Room E1101 or call Extension 493 so that support services can be arranged for you.

### Retention of Course Outlines:

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

### Plagiarism:

Students should refer to the definition of “academic dishonesty” in *Student Rights and Responsibilities*. Students who engage in “academic dishonesty” will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

### Course Outline Amendments:

The professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Substitute course information is available in the Registrar's office.

**COURSE NOTE:** All assignments must be completed. Failure to complete assignments will result in removal of 10% from the test associated with the assignment.

**VII. PRIOR LEARNING ASSESSMENT:**

Students who wish to apply for advanced credit in the course should consult the professor. Credit for prior learning will be given upon successful completion of a challenge exam or portfolio.

**VIII. DIRECT CREDIT TRANSFERS:**

Students who wish to apply for direct credit transfer (advanced standing) should obtain a direct credit transfer form from the Dean's secretary. Students will be required to provide a transcript and course outline related to the course in question.