



**I. PHILOSOPHY/GOALS:**

This course will provide the student with the hands on skills, tools and knowledge necessary to demonstrate a knowledge of how to plan work safely, utilizing safe work practices, pruning and removing of trees in proximity of electrical conductors, ascending, descending, and performing an aerial rescue, inspect, adjust and maintain personal protective equipment, and fall protection equipment utilized in the Utility Arboricultural trade and managing fire, waste and dangerous goods.

**II. STUDENT LEARNING OUTCOMES**

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

**1) Demonstrate the preparation of an aerial device.**

Potential Elements of the performance.

- Preparation as per manufacturer's instructions
- Pre-operational checks
- Aerial Device Set up
- Select and use personal protective equipment
- Fall protection systems

**2) Demonstrate aerial device and rescue procedures**

Potential Elements of the performance.

- Assess the emergency site and medical condition.
- Demonstrate escape from a disabled aerial device
- Demonstrate rescue of a disabled Perform aerial rescue.

**3) Demonstrate aerial device preventative maintenance.**

Potential Elements of the performance.

- Perform maintenance as per manufactures specifications
- Demonstrate required lubrications
- Demonstrate necessary cleaning
- Describe legislative requirements for aerial device

4) Demonstrate the use of an aerial device in utility arboricultural safely.

Potential Elements of the performance.

- Demonstrate loading tools, equipment and materials into bucket.
- Demonstrate aerial device operation
- Describe and demonstrate proper aerial device movement with operator
- Demonstrate aerial device transport

5) Demonstrate pruning and removing trees with aerial device in proximity to energized electrical apparatus...

Potential Elements of the performance.

- Inspect, adjust and wear fall protection equipment according to manufacturer's recommendations.
- Demonstrate proper loading of tools and equipment in aerial device.
- Demonstrate proper operation to access work location.
- Demonstrate hand tools aloft according to predetermined method while working from bucket.
- Demonstrate proper use of rigging equipment to control removed materials.
- Demonstrate use of gas and hydraulic power tools aloft from bucket...
- Demonstrate sectional removal from aerial device using predetermined method.
- Control movement of cut limbs and trunk sections from aerial device.
- Demonstrate proper loading of tools and equipment in aerial device.
- Demonstrate proper operation to access work location.
- Demonstrate proper securing of aerial device for travel according to manufacturer's instructions.

### **III. POTENTIAL TOPICS TO BE COVERED:**

Chainsaw safety.

Hydraulic tools.

Site cleanup.

Arborist communication skills.

Fall Protection Systems.

Ascending / Descending

Safety. Performing Aerial

Rescues.

### **IV. REQUIRED STUDENT RESOURCES**

ARB603.

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

*Attendance 25%*

*Quizzes/ Assignments 50%*

*Scenario Based Test 25%*

The following semester grades will be assigned to students in post-secondary courses:

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A+	90 – 100%	4.00
A	80 – 89%	4.00
B	70 – 79%	3.00
C	60 – 69%	2.00
D	50-59%	1.00
F (Fail)	49% or less	0
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field placement or non-graded subject areas.	
U	Unsatisfactory achievement in field placement or non-graded subject areas.	
X	A temporary grade – limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course (see Policies & Procedures Manual – Deferred Grades and Make-up).	
NR	Grade not reported to Registrar's office. This is used to facilitate transcript preparation when, for extenuating circumstances, it has been impossible for the faculty member to report grades.	

**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 the departmental policy that once the classroom door has been closed, the learning process has begun. Late arrivers will not be granted admission to the room.*

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**Attendance is critical for success in the course.**

**Cell phone use will not be permitted.**

**VI. COURSE OUTLINE ADDENDUM:**

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