

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 compliance with provincial acts, regulations and municipal bylaws through job planning and work execution.

Potential Elements of the performance.

- Interpret job documents
- Perform Tailboard Safety Discussion
- Inspect, adjust, and wear personal protective equipment
- Determine job site limits
- Identify job sequences, hazards and barriers to hazards
- Interpret job documents
- Write effective memos
- Read owner's manuals, work orders, operator manuals.
- Listen effectively

- 2) Demonstrate safe work practices when working in proximity to energized electrical apparatus.

Potential Elements of the performance.

- Environmental hazards identified
- Tree hazards controlled
- Ground hazards identified
- Underground hardware identified
- Poisonous plants identified.
- Application of Electrical Utility Safety Rule Book
- Establish clear communications between workers and equipment.
- Tree Hazards

- 3) Demonstrate inspecting, adjusting, maintaining and wearing required personal protective equipment.

Potential Elements of the performance.

Review unit 1.3.3

- Eye protection, Head protection, Face protection, Hearing protection
- Hand protection, Foot protection, Leg protection.
- Rubber Gloves
- Flame Resistant clothing

- 4) Demonstrate pruning woody plants in proximity to energized electrical apparatus.

Potential Elements of the performance.

- Consider required pruning operations
- Identify pruning cut location on tree
- Pruning cuts
- Pruning methods
- Raise and lower limbs using ropes without mechanical advantage
- Chainsaw use aloft

- 5) Demonstrate removing woody plants in proximity to energized electrical apparatus.

Review Unit 1.3.5

Potential Elements of the performance.

- Identifying trees to be removed
- Determine removal method
- Factors affecting removal method
- Felling zone preparation
- Danger zone preparation
- Felling trees in proximity to energized apparatus
- Sectional removals
- Removal of trees that have fallen during storm conditions
- Inspect worksite

- 6) Demonstrate selecting, inspecting, adjusting, and maintaining fall protection system components.

Review Unit 1.3.3

Potential Elements of the performance.

- Fall protection
- Full Body Harness

7) Demonstrate the selection, use of, and inspection of hand tools and tree maintenance equipment according to manufacturer's recommendations.

Potential Elements of the performance.

Review Unit 2.3.4

- Mechanical tools and equipment

8) Demonstrate various methods of safely ascending and descending trees when accessing required work positions.

Potential Elements of the performance.

Review Unit 2.3.8

- Demonstrate various ascending techniques
- Describe Pre climbing tree inspection
- Demonstrate various descending techniques
- Demonstrate how to set up interim and final anchor points

9) Demonstrate aerial tree rescues using appropriate methods.

Potential Elements of the performance.

- Assess the emergency site and medical condition.
- Determine appropriate aerial rescue technique
- Perform aerial rescue.

10) Demonstrate controlling underbrush in proximity to transmission and distribution voltage conductors.

Potential Elements of the performance.

- Prepare underbrush felling area
- Fell underbrush using predetermined methods
- Site clean - up
- Determining and using clearing saw
- Perform pre-operational inspection/maintenance
- Perform Operations

III. POTENTIAL TOPICS TO BE COVERED:

Chainsaw safety

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%

Skills Demonstration 25%

The following semester grades will be assigned to students:

Grade	<u>Definition</u>	<i>Grade Point Equivalent</i>
A+	90 – 100%	4.00
A	80 – 89%	3.00
B	70 - 79%	2.00
C	60 - 69%	1.00
D	50 – 59%	0.00
F (Fail)	49% and below	
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**

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.

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.