

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



COURSE OUTLINE

COURSE TITLE:	Arborist Practices 1		
CODE NO. :	ARB 602	SEMESTER:	W-16
PROGRAM:	Utility Arborist Apprenticeship		
AUTHOR:	Matt Baker		
DATE:	March 2016	PREVIOUS OUTLINE DATED:	None
APPROVED:	Colin Kirkwood		March 2016
	Chair		DATE
TOTAL CREDITS:	1		
PREREQUISITE(S):	None		
HOURS/WEEK:	143 hours		

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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) Safely operate a chainsaw.

Potential Elements of the performance.

- Inspect, adjust, and wear personal protective equipment.
- Explain the safety features of a chainsaw
- Safe starting and stopping procedures
- Safe carrying procedure
- Demonstrate how to safely fell, limb and buck trees with and without rigging.

2) Safely operate a brush saw.

Potential Elements of the performance.

- Inspect, adjust, and wear personal protective equipment.
- Explain the safety features of a brush saw
- Safe starting and stopping procedures
- Safe carrying procedure
- Demonstrate how to safely fell, limb and buck trees.

3) Demonstrate methods of handling and disposing of debris generated on the job site.

Potential Elements of the performance.

- Handling / disposal of debris
- Site Cleanup
- Demonstrate knowledge of fire suppression techniques.

4) Demonstrate effective communications skills with customers and workers.

Potential Elements of the performance.

- Tailboard Safety Discussion
- Write effective memos
- Read owner's manuals, work orders, operator manuals.
- Listen effectively

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

Potential Elements of the performance.

- select climbing ropes
- inspect and adjust climbing harnesses.
- Demonstrate knowledge of slings and climbing knots
- Maintenance of all fall protection equipment

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

Potential Elements of the performance.

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

7) 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.

III. POTENTIAL TOPICS TO BE COVERED:

Chainsaw safety.
 Brush Saw safety.
 Site cleanup.
 Arborist communication skills.
 Fall Protection Systems.
 Ascending / Descending Safety.
 Performing Aerial Rescues.

IV. REQUIRED STUDENT RESOURCES

None.

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

Attendance and Participation and Demonstrations 100%

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.*

VI. COURSE OUTLINE ADDENDUM:

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