

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



COURSE OUTLINE

COURSE TITLE: Utility Arborist Equipment II Brush Chippers and Aerial Devices.

CODE NO. : ARB 705 **SEMESTER:** 1

PROGRAM: Utility Arborist Apprenticeship

AUTHOR: Steve McClinchey

DATE: Jan 2015 **PREVIOUS OUTLINE DATED:** May201

APPROVED: Colin Kirkwood **DATE** May 2014

Dean

DATE

TOTAL CREDITS: 1

PREREQUISITE(S): None

HOURS/WEEK: 4 hours total

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(705) 759-2554 Ext2811

I. PHILOSOPHY/GOALS:

This course will provide the student with the skills, tools and knowledge necessary to select adjust, maintain and store tools and equipment commonly used in the utility arboriculture trade.

STUDENT LEARNING OUTCOMES**I. COURSE DESCRIPTION:**

This course will provide the learner with a working knowledge of pertinent safety and related legislation as they apply to Brush Chipper and Aerial Device operation in the Utility Arborist trade.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. Describe types of chippers.

Potential Elements of the Performance: Drum chipper and disc chipper.

2. Describe/demonstrate how to prepare chippers for transportation and operation.

Potential Elements of the Performance: Chipper circle check, visual defects, legislated requirements and towing requirements, and hitching chipper to tow vehicle.

3. Describe/demonstrate how to set up chippers for use on site.

Potential Elements of the Performance: Manufacturer's instructions, traffic concerns, set up procedures, site selection and pre-operational checks.

4. Describe/demonstrate how to operate a chipper:

Potential Elements of the Performance: Safe operating procedures,

materials preparation, feeding procedures, chute and in-feed blockages, normal and emergency shutdown procedures.

5. Describe basic chipper maintenance.

Potential Elements of the Performance: Inspection, changing cutter knives, cycle blade bolts and rotating the anvil.

III. TOPICS:

1. Chipper Types
2. Chipper Transportation
3. Chipper Set-Up for Use
4. Operating a Chipper
5. Chipper Basic Maintenance

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

none

V. EVALUATION PROCESS/GRADING SYSTEM:

Attendance 25%

Quizzes/ Assignments 50%

Skills Demonstration 25%

The following semester grades will be assigned to students:

Grade	Definition	<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	

U	placement or non-graded subject area. 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:

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.

Attendance is critical for success in the course.

Cell phone use will not be permitted.

VII. COURSE OUTLINE ADDENDUM:

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

None

IV. REQUIRED STUDENT RESOURCES

None.

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

The final grade will be based on the following:

- 1) Attendance 20%
- 2) Demonstration and Quizzes 60%
- 3) Final Test 20%

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.	

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