



## COURSE OUTLINE: ARB705 - BRUSH CHIPPERS

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Approved: Carolyn Hepburn, Dean, Indigenous Studies, Academic Upgrading, Natural Environment, and Media and Design

<b>Course Code: Title</b>	ARB705: UTILITY AROBORIST PRACT 2 BRUSH CHIPPERS	
<b>Program Number: Name</b>	6561: UTILITY ARBORIST II	
<b>Department:</b>	UTILITY ARBORIST - APPR.	
<b>Academic Year:</b>	2023-2024	
<b>Course Description:</b>	Demonstrate a thorough working knowledge of brush chippers and aerial devices used in Utility Arboricultural practices.	
<b>Total Credits:</b>	2	
<b>Hours/Week:</b>	4	
<b>Total Hours:</b>	4	
<b>Prerequisites:</b>	There are no pre-requisites for this course.	
<b>Corequisites:</b>	There are no co-requisites for this course.	
<b>Vocational Learning Outcomes (VLO's) addressed in this course:</b>	<b>6561 - UTILITY ARBORIST II</b>	
<small>Please refer to program web page for a complete listing of program outcomes where applicable.</small>	VLO 2	Utility Arborist - L2
<b>Essential Employability Skills (EES) addressed in this course:</b>	EES 4	Apply a systematic approach to solve problems.
	EES 5	Use a variety of thinking skills to anticipate and solve problems.
	EES 7	Analyze, evaluate, and apply relevant information from a variety of sources.
	EES 9	Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.
	EES 10	Manage the use of time and other resources to complete projects.
	EES 11	Take responsibility for ones own actions, decisions, and consequences.
<b>Course Evaluation:</b>	Passing Grade: 50%, D	
	A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.	
<b>Course Outcomes and Learning Objectives:</b>	<b>Course Outcome 1</b>	<b>Learning Objectives for Course Outcome 1</b>
	Describe types of chippers.	1.1 Drum chipper and disc chipper.
	<b>Course Outcome 2</b>	<b>Learning Objectives for Course Outcome 2</b>
	Describe/demonstrate how to prepare chippers for	2.1 Chipper circle check, visual defects, legislated



	transportation and operation.	requirements and towing requirements 2.2 Hitching chipper to tow vehicle.
	<b>Course Outcome 3</b>	<b>Learning Objectives for Course Outcome 3</b>
	Describe/demonstrate how to set up chippers for use on site.	3.1 Manufacturer's instructions, traffic concerns, set up procedures, site selection and pre-operational checks.
	<b>Course Outcome 4</b>	<b>Learning Objectives for Course Outcome 4</b>
	Describe/demonstrate how to operate a chipper.	4.1 Safe operating procedures, materials preparation, feeding procedures, chute and in-feed blockages, normal and emergency shutdown procedures.
	<b>Course Outcome 5</b>	<b>Learning Objectives for Course Outcome 5</b>
Describe basic chipper maintenance.	5.1 Inspection, changing cutter knives, cycle blade bolts and rotating the anvil.	
<b>Evaluation Process and Grading System:</b>	<b>Evaluation Type</b>	<b>Evaluation Weight</b>
	Attendance	25%
	Quizzes / Assignments	50%
	Skills Demonstration	25%
<b>Date:</b>	November 24, 2023	
<b>Addendum:</b>	Please refer to the course outline addendum on the Learning Management System for further information.	