



## COURSE OUTLINE: ARB705 - BRUSH CHIPPERS

Prepared: Steve McClinchey

Approved: Sherri Smith, Chair, Natural Environment, Business, Design and Culinary

<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>Semesters/Terms:</b>	21W													
<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													
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<b>Prerequisites:</b>	There are no pre-requisites for this course.													
<b>Corequisites:</b>	There are no co-requisites for this course.													
<b>Essential Employability Skills (EES) addressed in this course:</b>	<p>EES 4 Apply a systematic approach to solve problems.</p> <p>EES 5 Use a variety of thinking skills to anticipate and solve problems.</p> <p>EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.</p> <p>EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.</p> <p>EES 10 Manage the use of time and other resources to complete projects.</p> <p>EES 11 Take responsibility for ones own actions, decisions, and consequences.</p>													
<b>Course Evaluation:</b>	<p>Passing Grade: 50%, D</p> <p>A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.</p>													
<b>Course Outcomes and Learning Objectives:</b>	<table border="1"> <thead> <tr> <th><b>Course Outcome 1</b></th> <th><b>Learning Objectives for Course Outcome 1</b></th> </tr> </thead> <tbody> <tr> <td>Describe types of chippers.</td> <td>Drum chipper and disc chipper.</td> </tr> <tr> <th><b>Course Outcome 2</b></th> <th><b>Learning Objectives for Course Outcome 2</b></th> </tr> <tr> <td>Describe/demonstrate how to prepare chippers for transportation and operation.</td> <td>Chipper circle check, visual defects, legislated requirements and towing requirements, and hitching chipper to tow vehicle.</td> </tr> <tr> <th><b>Course Outcome 3</b></th> <th><b>Learning Objectives for Course Outcome 3</b></th> </tr> <tr> <td>Describe/demonstrate how to set up chippers for use on site.</td> <td>Manufacturer's instructions, traffic concerns, set up procedures, site selection and pre-operational checks.</td> </tr> </tbody> </table>		<b>Course Outcome 1</b>	<b>Learning Objectives for Course Outcome 1</b>	Describe types of chippers.	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 transportation and operation.	Chipper circle check, visual defects, legislated requirements and towing requirements, and 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.	Manufacturer's instructions, traffic concerns, set up procedures, site selection and pre-operational checks.
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In response to public health requirements pertaining to the COVID19 pandemic, course delivery and assessment traditionally delivered in-class, may occur remotely either in whole or in part in the 2020-2021 academic year.



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	<b>Course Outcome 4</b>	<b>Learning Objectives for Course Outcome 4</b>
	Describe/demonstrate how to operate a chipper.	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.	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>	June 17, 2020	
<b>Addendum:</b>	Please refer to the course outline addendum on the Learning Management System for further information.	

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