



## COURSE OUTLINE: ARB604 - ARBORIST EQUIPMENT I

Prepared: Matt Baker

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

<b>Course Code: Title</b>	ARB604: UTILITY ARBORIST EQUIPMENT I	
<b>Program Number: Name</b>	6560: UTILITY ARBORIST I	
<b>Department:</b>	UTILITY ARBORIST - APPR.	
<b>Semesters/Terms:</b>	20W	
<b>Course Description:</b>	This course will provide the student with the skills, tools and knowledge necessary to demonstrate a thorough working knowledge of brush chippers.	
<b>Total Credits:</b>	1	
<b>Hours/Week:</b>	8	
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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 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.</p> <p>EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.</p> <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 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>	Passing Grade: 50%, D	
<b>Course Outcomes and Learning Objectives:</b>	<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.	
<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	50%
	Skills Demonstration	50%
<b>Date:</b>	June 19, 2019	
<b>Addendum:</b>	Please refer to the course outline addendum on the Learning Management System for further information.	