



## COURSE OUTLINE: ARB612 - ARBORIST EQUIPMENT

Prepared: Matt Baker

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

<b>Course Code: Title</b>	ARB612: ARBORIST EQUIPMENT	
<b>Program Number: Name</b>	6560: UTILITY ARBORIST I	
<b>Department:</b>	NATURAL RESOURCES PRG	
<b>Academic Year:</b>	2022-2023	
<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>	18	
<b>Total Hours:</b>	18	
<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>6560 - UTILITY ARBORIST I</b>	
<small>Please refer to program web page for a complete listing of program outcomes where applicable.</small>	VLO 1	Utility Arborist - L1
<b>Essential Employability Skills (EES) addressed in this course:</b>	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.
	EES 2	Respond to written, spoken, or visual messages in a manner that ensures effective communication.
	EES 4	Apply a systematic approach to solve problems.
	EES 5	Use a variety of thinking skills to anticipate and solve problems.
	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 transportation and operation.	2.1 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.	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>							
	Safe operating procedures, materials preparation, feeding procedures, chute and in-feed blockages, normal and emergency shutdown procedures.	5.1 Inspection, changing cutter knives, cycle blade bolts and rotating the anvil.						
<b>Evaluation Process and Grading System:</b>	<table border="1"> <thead> <tr> <th>Evaluation Type</th> <th>Evaluation Weight</th> </tr> </thead> <tbody> <tr> <td>Attendance</td> <td>50%</td> </tr> <tr> <td>Skills Demonstration</td> <td>50%</td> </tr> </tbody> </table>		Evaluation Type	Evaluation Weight	Attendance	50%	Skills Demonstration	50%
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Attendance	50%							
Skills Demonstration	50%							
<b>Date:</b>	June 30, 2022							
<b>Addendum:</b>	Please refer to the course outline addendum on the Learning Management System for further information.							