



COURSE OUTLINE: ARB705 - BRUSH CHIPPERS

Prepared: Steve McClinchey

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

Course Code: Title	ARB705: UTILITY AROBORIST PRACT 2 BRUSH CHIPPERS	
Program Number: Name	6561: UTILITY ARBORIST II	
Department:	UTILITY ARBORIST - APPR.	
Semesters/Terms:	20W	
Course Description:	Demonstrate a thorough working knowledge of brush chippers and aerial devices used in Utility Arboricultural practices.	
Total Credits:	2	
Hours/Week:	4	
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Prerequisites:	There are no pre-requisites for this course.	
Corequisites:	There are no co-requisites for this course.	
Essential Employability Skills (EES) addressed in this course:	<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>	
Course Evaluation:	Passing Grade: 50%, D	
Course Outcomes and Learning Objectives:	Course Outcome 1	Learning Objectives for Course Outcome 1
	Describe types of chippers.	Drum chipper and disc chipper.
	Course Outcome 2	Learning Objectives for Course Outcome 2
	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.
	Course Outcome 3	Learning Objectives for Course Outcome 3
	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.
Course Outcome 4	Learning Objectives for Course Outcome 4	
Describe/demonstrate how to operate a chipper.	Safe operating procedures, materials preparation, feeding procedures, chute and in-feed blockages, normal and emergency shutdown procedures.	

	Course Outcome 5	Learning Objectives for Course Outcome 5	
	Describe basic chipper maintenance.	Inspection, changing cutter knives, cycle blade bolts and rotating the anvil.	
Evaluation Process and Grading System:	Evaluation Type	Evaluation Weight	Course Outcome Assessed
	Attendance	25%	
	Quizzes / Assignments	50%	
	Skills Demonstration	25%	
Date:	June 25, 2018		
	Please refer to the course outline addendum on the Learning Management System for further information.		