



COURSE OUTLINE: ARB611 - TOOLS & FELLING

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

Course Code: Title	ARB611: ARBORIST TOOLS AND FELLING TECHNIQUES	
Program Number: Name	6560: UTILITY ARBORIST I	
Department:	NATURAL RESOURCES PRG	
Academic Year:	2022-2023	
Course Description:	On completion of this reportable subject, the apprentice is able to perform directional felling techniques including selecting, using, maintaining and storing tools and equipment.	
Total Credits:	3	
Hours/Week:	36	
Total Hours:	32	
Prerequisites:	There are no pre-requisites for this course.	
Corequisites:	There are no co-requisites for this course.	
Vocational Learning Outcomes (VLO's) addressed in this course:	<p>6560 - UTILITY ARBORIST I</p> <p>VLO 1 Utility Arborist - L1</p>	
<small>Please refer to program web page for a complete listing of program outcomes where applicable.</small>		
Essential Employability Skills (EES) addressed in this course:	<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 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>	
Course Evaluation:	<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>	
Course Outcomes and Learning Objectives:	Course Outcome 1	Learning Objectives for Course Outcome 1
	Demonstrate use of hand tools, power tools and equipment as required for various applications.	1.1 Select tool for specific application. Locate and read manufacturer's recommendations. Inspect and adjust tool as required
	Course Outcome 2	Learning Objectives for Course Outcome 2



	Perform steps to inspect and maintain chainsaws.	2.1 Identify manufactures` instructions/operators` manual and Inspect components including: air filter, fuel filter, spark arrestor, lubrication, fueling/mixing ratios, sprockets, chassis, chain and inertia brakes, anti-vibration system. Inspect and maintain bars and chains.
	Course Outcome 3	Learning Objectives for Course Outcome 3
	Demonstrate directional felling techniques for removing woody plants using a felling plan that considers hazards, obstacles, height/lean and escape route, equipment to be used, notch selection, back cut plan and wood diameter to perform cuts/notches.	3.1 Identify Felling and Danger Zones. Describe various felling notches, cuts and felling assist devices. Perform felling techniques using notches and cuts as required. Perform post felling inspection of worksite.
Date:	June 30, 2022	
Addendum:	Please refer to the course outline addendum on the Learning Management System for further information.	