



COURSE OUTLINE: ARB709 - LINE CLEARING II

Prepared: Matt Baker

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

Course Code: Title	ARB709: UTIL ARBOR TRANSMISSION LINE CLEARING II	
Program Number: Name	6561: UTILITY ARBORIST II	
Department:	UTILITY ARBORIST - APPR.	
Semesters/Terms:	20W	
Course Description:	Describe and demonstrate how to manage vegetation along transmission voltage corridors and right of ways.	
Total Credits:	2	
Hours/Week:	4	
Total Hours:	4	
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 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.</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%,	
Course Outcomes and Learning Objectives:	Course Outcome 1	Learning Objectives for Course Outcome 1
	Identify transmission ROW properties from drawings, maps and system diagrams.	Identifying system information using maps and diagrams.
	Course Outcome 2	Learning Objectives for Course Outcome 2
	Demonstrate capabilities for communicating with other work groups, controlling authority and emergency contacts.	Different methods of communication, notification requirements, notifying controlling authority, emergency contacts.
Course Outcome 3	Learning Objectives for Course Outcome 3	
Demonstrate the ability to perform a condition patrol,		



	identify and maintain ROW access points, requirement of external permits and complying with environmental legislation.	Condition patrols, hazards to line integrity, documentation, permitting and legislation requirements.
	Course Outcome 4	Learning Objectives for Course Outcome 4
	Plan work, including tool selection, ERP and daily job planning.	Work planning, tools and equipment requirement, ERP, tailboards.
	Course Outcome 5	Learning Objectives for Course Outcome 5
	Assess vegetation for compatibility within ROW.	Identifying compatible vegetation, height of trees and brush, height of conductors.
	Course Outcome 6	Learning Objectives for Course Outcome 6
	Prune and remove incompatible vegetation in proximity to electrical apparatus.	Live line techniques, standing and falling clearances, maintaining screens and buffers.
	Course Outcome 7	Learning Objectives for Course Outcome 7
	Selecting appropriate vegetation control methods.	Parameters for herbicide application, cutting, mechanical mowing.
	Course Outcome 8	Learning Objectives for Course Outcome 8
	Demonstrate herbicide application techniques using IPM principles.	Various herbicide application techniques.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight	Course Outcome Assessed
Attendance	50%	
Participation	50%	

Date:

June 25, 2018

Please refer to the course outline addendum on the Learning Management System for further information.

