



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:	21W	
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:	<p>Passing Grade: 50%,</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
	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.

In response to public health requirements pertaining to the COVID19 pandemic, course delivery and assessment traditionally delivered in-class, may occur remotely either in whole or in part in the 2020-2021 academic year.



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	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
Attendance	50%
Participation	50%

Date:

June 17, 2020

Addendum:

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

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