

ADLTED 748.3 Course Outline as of Fall 2018**CATALOG INFORMATION**

Dept and Nbr: ADLTED 748.3 Title: INTRO VEG MGMT

Full Title: Introduction to Vegetation Management for Fire Prevention

Last Reviewed: 3/14/2022

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0	Lecture Scheduled	0	4	Lecture Scheduled	0
Minimum	0	Lab Scheduled	6.00	2	Lab Scheduled	24.00
		Contact DHR	0		Contact DHR	0
		Contact Total	6.00		Contact Total	24.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 24.00

Title 5 Category: Non-Credit

Grading: Non-Credit Course

Repeatability: 27 - Exempt From Repeat Provisions

Also Listed As:

Formerly:

Catalog Description:

This course is designed to introduce students to the basics of vegetation management for fire prevention. Topics will include: fire behavior; fire prevention regulations, standards, and enforcement; fire prevention techniques, safety and tools use. Working under the supervision of landscape professionals, students will clear particular selected site(s) as appropriate.

Prerequisites/Corequisites:**Recommended Preparation:**

Course Completion of ADED 740 (or ADLTED 740)

Limits on Enrollment:**Schedule of Classes Information:**

Description: This course is designed to introduce students to the basics of vegetation management for fire prevention. Topics will include: fire behavior; fire prevention regulations, standards, and enforcement; fire prevention techniques, safety and tools use. Working under the supervision of landscape professionals, students will clear particular selected site(s) as appropriate. (Non-Credit Course)

Prerequisites/Corequisites:

Recommended: Course Completion of ADED 740 (or ADLTED 740)

Limits on Enrollment:

Transfer Credit:

Repeatability: Exempt From Repeat Provisions

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:		Effective:	Inactive:
UC Transfer:		Effective:	Inactive:

CID:

Certificate/Major Applicable:

Certificate Applicable Course

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

1. Students will learn to safely use appropriate tools to clear weeds and other vegetation in order to prevent fire damage.

Objectives:

Upon completion of the course, students will be able to:

1. Explain how fire moves through a landscape
2. Discuss how vegetation management can isolate fires or slow their spread through the terrain
3. Safely clear weeds and other vegetation using appropriate tools

Topics and Scope:

I. Fire History

- A. Hanley Fire
- B. 1991 Oakland Fire
- C. Cedar Fire
- D. 2017 Fire Storm

II. Regulations and Enforcement

- A. Local Fire Codes
- B. County Fire Safety Standards
- C. State Regulations
- D. Weed and vegetation management
- E. Inspection Forms
 1. County forms
 2. State forms

III. Techniques for Weed and Vegetation Management

- A. Fuel breaks
- B. Fuels reduction
- C. Fuels continuity
 - 1. Limbing
 - 2. Ladder fuels
 - 3. Ground cover
 - 4. Mulching
- D. Impact of slope and aspect on vegetation management

IV. Tool Use

- A. Function and parts of the tools
- B. Using tools safely
- C. Maintenance and storage

V. Practicum Including Safety Principles

Assignment:

- 1. Site evaluation worksheet
- 2. Group or team site evaluation worksheet
- 3. Practice exercises using appropriate tools to clear sites (4 to 6)
- 4. Team project clearing particular site(s) (1 to 2)
- 5. Clean and store tools exercise

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None

Writing
0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Site evaluations

Problem solving
20 - 30%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Site clearing; cleaning tools

Skill Demonstrations
20 - 30%

Exams: All forms of formal testing, other than skill performance exams.

None

Exams
0 - 0%

Other: Includes any assessment tools that do not logically fit into the above categories.

Active participation and attendance

Other Category
40 - 50%

Representative Textbooks and Materials:

Instructor prepared materials