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