

FIRE112 : Wildland Fire Control

General Information

Author:	<ul style="list-style-type: none">Tracy Rickman
Course Code (CB01) :	FIRE112
Course Title (CB02) :	Wildland Fire Control
Department:	FIRE
Proposal Start:	Spring 2025
TOP Code (CB03) :	(2133.00) Fire Technology
CIP Code:	(43.0201) Fire Prevention and Safety Technology/Technician.
SAM Code (CB09) :	Clearly Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000548657
Curriculum Committee Approval Date:	05/22/2024
Board of Trustees Approval Date:	07/16/2024
Last Cyclical Review Date:	05/22/2024
Course Description and Course Note:	FIRE 112 is designed to provide students, whether they are employed firefighters or fire technology majors, with fundamental knowledge of wildland fire control, wildland fire suppression techniques and basic terminology in wildland fire behavior.
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none">Credit
Mode of Delivery:	
Author:	Tracy Rickman
Course Family:	

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none">Fire Technology
Alternate Discipline:	No value
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08) Course is not a basic skills course. <input type="checkbox"/> Allow Students to Gain Credit by Exam/Challenge	Course Special Class Status (CB13) Course is not a special class. Pre-Collegiate Level (CB21) Not applicable.	Grading Basis <ul style="list-style-type: none">Grade with Pass / No-Pass Option Course Support Course Status (CB26) Course is not a support course
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General Education and C-ID

General Education Status (CB25)

Not Applicable

Transferability

Transferable to CSU only

Transferability Status

Approved

Units and Hours

Summary

Minimum Credit Units (CB07)	3
Maximum Credit Units (CB06)	3
Total Course In-Class (Contact) Hours	54
Total Course Out-of-Class Hours	108
Total Student Learning Hours	162

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

Variable Credit Course

Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience

Education Status (CB10)

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	3	6
Laboratory Hours	0	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	
Lecture	54
Laboratory	0
Studio	0
Total	54
Course Out-of-Class Hours	
Lecture	108
Laboratory	0
Studio	0
Total	108

Time Commitment Notes for Students

No value

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
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No Value	No Value	No Value	No Value
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Pre-requisites, Co-requisites, Anti-requisites and Advisories

Advisory

ESL141 - Grammar And Writing IV

Objectives

- Compose a 400 to 450-word thesis-based essay which: (a) summarizes and cites appropriately a reading passage provided as a prompt, (b) includes a clear thesis statement, (c) uses evidence to support the thesis, (d) shows clear organization into an introduction, body, and conclusion, and (e) uses appropriate rhetorical modes such as comparison/contrast, cause/effect, and persuasion in order to support a thesis.

OR

Advisory

ENGL101 - Introduction to College Reading and Composition

Objectives

- Develop varied and flexible strategies for generating, drafting, and revising essays.
- Integrate the ideas of others through paraphrasing, summarizing, and quoting without plagiarism.
- Find, evaluate, analyze, and interpret primary and secondary sources, incorporating them into written essays using appropriate documentation format.

Entry Standards

Entry Standards

Course Limitations

Cross Listed or Equivalent Course

Specifications

Methods of Instruction

Methods of Instruction	Lecture			
Methods of Instruction	Discussion			
Methods of Instruction	Multimedia			
Methods of Instruction	Collaborative Learning			
Methods of Instruction	Presentations			
Out of Class Assignments				
<ul style="list-style-type: none"> • Readings and Discussion Questions • Individual case study reports 				
Methods of Evaluation	Rationale			
Exam/Quiz/Test	Quizzes			
Exam/Quiz/Test	Midterm			
Exam/Quiz/Test	Final examination			
Textbook Rationale				
No Value				
Textbooks				
Author	Title	Publisher	Date	ISBN
Lowe, Joe	Wildland Fire Fighter: Principles and Practice	Jones and Bartlett	2021	978-1284042115
Other Instructional Materials (i.e. OER, handouts)				
No Value				
Materials Fee				
No value				

Learning Outcomes and Objectives
Course Objectives

Discuss the history and philosophy of wildland firefighting.

Analyze the basic components of fire, the major phases of fire, and examine the main factors that influence fire spread and behavior in a wildland environment.

Synthesize the role of national, state and local guidelines tied to wildland fire control and suppression.

Describe the common types of wildland firefighting tools and equipment used in the control of wildland fires.

Identify and explain the components of fire prevention including code enforcement, and public information.

SLOs

Develop awareness of wildland fire control and how response affects suppression.

Expected Outcome Performance: 70.0

ILOs Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or
Core methodologies to solve unique problems.
ILOs

Identify the tools and equipment utilized in the control of wildland fire conflagration.

Expected Outcome Performance: 70.0

ILOs Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or
Core methodologies to solve unique problems.
ILOs

Identify suppression techniques utilized to control wildland fires.

Expected Outcome Performance: 70.0

ILOs Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or
Core methodologies to solve unique problems.
ILOs

Describe the historical wildland fires that changed the response element for modern day wildland firefighting.

Expected Outcome Performance: 70.0

ILOs Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or
Core methodologies to solve unique problems.
ILOs

Additional SLO Information

Does this proposal include revisions that might improve student attainment of course learning outcomes?

No

Is this proposal submitted in response to learning outcomes assessment data?

No

If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.

No Value

SLO Evidence

Course Content

Lecture Content

Fire Protection Organization in California (7 hours)

- Wildland values and functions
- Organization for wildland protection
- Fire terminology
- Fire history
- The fire problem in California

Functions of the Protection Organization (7 hours)

- The fire prevention problem
- The fire prevention plan
- Pre-suppression planning
- Response to wildland fires

Wildland Fire Suppression Organization (12 hours)

- Detection
- Equipment
- Ground
- Air
- Hand and power tools
- Heavy equipment
- Communications
- Records
- Back firing equipment

Fire Behavior (8 hours)

- Chemistry
- Fuel
- Weather
- Topography
- Air Operations/Safety

Extinguishing Agents (5 hours)

- Water
- Chemicals
- Dirt

Tactics (8 hours)

- Response
- Size-up
- Rescue
- Exposure
- Attack methods
- Effects of structures endangered
- Confine
- Extinguishment
- Mop-up (overall)
- Patrol

Fire Fighter Survival (7 hours)

- Line Persons
- Clothing and equipment
- Shelter usage
- Exposure, reducing risk

Total hours: 54

Additional Information

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

GCC Major Requirements

No Value

GCC General Education Graduation Requirements

No Value

Repeatability

Not Repeatable

Justification (if repeatable was chosen above)

No Value

Resources

Did you contact your departmental library liaison?

No

If yes, who is your departmental library liaison?

No Value

Did you contact the DEIA liaison?

No

Were there any DEIA changes made to this outline?

No Value

If yes, in what areas were these changes made:

No Value

Will any additional resources be needed for this course? (Click all that apply)

No Value

If additional resources are needed, add a brief description and cost in the box provided.

No Value