



**COURSE OUTLINE : FIRE 112**  
**D Credit – Degree Applicable**  
**COURSE ID 001491**  
**Cyclical Review: November 2020**

**COURSE DISCIPLINE :** FIRE  
**COURSE NUMBER :** 112  
**COURSE TITLE (FULL) :** Wildland Fire Control  
**COURSE TITLE (SHORT) :** Wildland Fire Cntrl

**CATALOG DESCRIPTION**

FIRE 112 is designed to provide the employed firefighter or fire technology major with fundamental knowledge of wildland fire control, wildland fire suppression techniques and basic terminology in wildland fire behavior.

Total Lecture Units: 3.00

Total Laboratory Units: 0.00

**Total Course Units: 3.00**

Total Lecture Hours: 54.00

Total Laboratory Hours: 0.00

Total Laboratory Hours To Be Arranged:0.00

**Total Contact Hours: 54.00**

**Total Out-of-Class Hours: 108.00**

Prerequisite: FIRE 101 or equivalent. Recommended Preparation: ENGL 100 or ESL 141.



**ENTRY STANDARDS**

	Subject	Number	Title	Description	Include
1	ENGL	100	Writing Workshop	read, analyze, and evaluate student compositions for unity, development, use of evidence, interpretation, coherence, and variety of sentence form;	Yes
2	ENGL	100	Writing Workshop	write an argumentative essay that addresses the topic, is directed by a thesis statement, uses appropriate textual evidence, develops logical interpretations, and concludes with some compelling observations;	Yes
3	ESL	141	Grammar and Writing IV	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.	Yes
4	FIRE	101	Principles Of Fire Emergency Services	analyze the basic components of fire as a chemical reaction, the major phases of fire, and examine the main factors that influence fire spread and behavior;	Yes
5	FIRE	101	Principles Of Fire Emergency Services	list and describe the major organizations that provide emergency response service and illustrate how they interrelate;	Yes
6	FIRE	101	Principles Of Fire Emergency Services	synthesize the role of national, state and local support organizations in fire protection and emergency services;	Yes
7	FIRE	101	Principles Of Fire Emergency Services	describe the common types of fire and emergency services facilities, equipment, and apparatus.	Yes



**EXIT STANDARDS**

- 1 discuss the history and philosophy of wildland firefighting.
- 2 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.
- 3 synthesize the role of national, state and local guidelines tied to wildland fire control and suppression.
- 4 describe the common types of wildland firefighting tools and equipment used in the control of wildland fires.
- 5 identify and explain the components of fire prevention including code enforcement, and public information.

**STUDENT LEARNING OUTCOMES**

- 1 develop awareness of wildland fire control and how response affects suppression
- 2 Identify the tools and equipment utilized in the control of wildland fire conflagration.
- 3 identify suppression techniques utilized to control wildland fires.
- 4 describe the historical wildland fires that changed the response element for modern day wildland firefighting

**COURSE CONTENT WITH INSTRUCTIONAL HOURS**

	Description	Lecture	Lab	Total Hours
1	Fire Protection Organization in California <ul style="list-style-type: none"> <li>• Wildland values and functions</li> <li>• Organization for wildland protection</li> <li>• Fire terminology</li> <li>• Fire history</li> <li>• The fire problem in California</li> </ul>	7	0	7
2	Functions of the Protection Organization <ul style="list-style-type: none"> <li>• The fire prevention problem</li> <li>• The fire prevention plan</li> <li>• Pre-suppression planning</li> <li>• Response to wildland fires</li> </ul>	7	0	7



3	<p>Wildland Fire Suppression Organization</p> <ul style="list-style-type: none"> <li>• Detection</li> <li>• Equipment</li> <li>• Ground</li> <li>• Air</li> <li>• Hand and power tools</li> <li>• Heavy equipment</li> <li>• Communications</li> <li>• Records</li> <li>• Back firing equipment</li> </ul>	12	0	12
4	<p>Fire Behavior</p> <ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Fuel</li> <li>• Weather</li> <li>• Topography</li> <li>• Air Operations/Safety</li> </ul>	8	0	8
5	<p>Extinguishing Agents</p> <ul style="list-style-type: none"> <li>• Water</li> <li>• Chemicals</li> <li>• Dirt</li> </ul>	5	0	5
6	<p>Tactics</p> <ul style="list-style-type: none"> <li>• Response</li> <li>• Size-up</li> <li>• Rescue</li> <li>• Exposure</li> <li>• Attack methods</li> <li>• Effects of structures endangered</li> <li>• Confine</li> <li>• Extinguishment</li> <li>• Mop-up (overall)</li> <li>• Patrol</li> </ul>	8	0	8
7	<p>Fire Fighter Survival</p> <ul style="list-style-type: none"> <li>• Line Personal</li> <li>• Clothing and equipment</li> <li>• Shelter usage</li> <li>• Exposure, reducing risk</li> </ul>	7	0	7
				<b>54</b>



**OUT OF CLASS ASSIGNMENTS**

- 1 Read the material from textbook and answer questions from it
- 2 Individual case study reports

**METHODS OF EVALUATION**

- 1 quizzes
- 2 midterm
- 3 final examination

**METHODS OF INSTRUCTION**

- Lecture
- Laboratory
- Studio
- Discussion
- Multimedia
- Tutorial
- Independent Study
- Collaboratory Learning
- Demonstration
- Field Activities (Trips)
- Guest Speakers
- Presentations

**TEXTBOOKS**

Title	Type	Publisher	Edition	Medium	Author	ISBN	Date
Wildland Fire Fighter: Principles and Practice	Required	Jones and Bartlett	2	print	Lowe, Joe	978-1284042115	2021