

## **FIRE-161 BASIC WILDLAND FIREFIGHTING 2 CREDITS**

### **SYLLABUS**

---

#### **CATALOG DESCRIPTION**

This training consists of 4 basic Firefighter courses required by the National Wildfire Coordinating Group (NWCG) and provides the training and information required by NWCG. Students who successfully complete the coursework and pass the physical fitness test earn "red card" certification required to work on forest fires or to participate in prescribed fires. This course is a prerequisite for all other wild land fire-related training and employment.

Prerequisites: None

Semester Offered: Fall and Spring

#### ***COMMON STUDENT LEARNING OUTCOMES***

*Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...*

##### **BROAD AND SPECIALIZED LEARNING**

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

##### **CRITICAL THINKING**

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

##### **CULTURAL AND CIVIC ENGAGEMENT**

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

##### **EFFECTIVE COMMUNICATION**

Students will exchange ideas and information with clarity in multiple contexts.

##### **INFORMATION LITERACY**

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

##### **INTEGRATING TECHNOLOGIES**

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

#### **COURSE LEARNING OUTCOMES**

*Upon successful completion of the course, the student will be able to...*

1. Understand the concept of wildland firefighting.
2. Understand the safety factors of wildland firefighting.

A copy of this approved syllabus is on file in the dean's office.  
Updated 12/14/18

3. Operate as a team member of a wildland firefighting crew.

#### GENERAL LEARNING OBJECTIVES

1. Identify and discuss the three sides of the fire triangle.
2. Identify the environmental factors of fuels, weather and topography that affect the start and spread of wildland fire.
3. Describe the contributing factors that indicate the potential for increased fire behavior that may compromise safety.
4. Explain what the LCES (Lookouts, Communications, Escape Routes, and Safety Zones) system is and how it relates to the Standard Firefighting Orders.
5. Construct fire line to required standards using various methods.
6. Strengthen, reinforce, and use holding actions on a fire line.
7. Extinguish the fire with or without the use of water.
8. Complete assigned tasks in a safe and efficient manner.