

COCONINO COMMUNITY COLLEGE

COURSE OUTLINE

Created by by: Scott Walton, B.S.
Revised by: Marc Goldberg
Effective Term: Fall 2020

Date: January 6, 1997

A. Identification:

1. Subject Area: Fire Science (FSC)
2. Course Number: FSC 253
3. Course Title: Wildland Fire Observation and Origin Scene Protection, Portable Pumps and Water Use, Basic Air Operations
(FI-110, S-211, S-212, S-270)
4. Credit Hrs: 4
5. Catalog Description:
Designed to teach sound wildland fire observations and origin scene protection, provide knowledge and skills to design, set-up, operate, troubleshoot, and shut down portable water delivery systems. Course also covers aircraft types, capabilities, aviation management and safety for flying in and working with agency aircraft, tactical, and logistical uses of aircraft, and requirements for helicopter takeoff and landing areas. Covers materials from FI-110, S-211, S-270. Four lecture.

B. Course Goals:

To train suppression personnel in firing techniques and devices along with an increased knowledge in the incident command system.

C. Course Outcomes:

Students will be able to:

1. List various causes of wildland fires and their cause indicators.
2. Perform the basic procedures and techniques needed to provide witness/observer information to fire investigators.
3. Identify and protect wildland fire origin areas.
4. Demonstrate knowledge and skills to design, set-up, operate, troubleshoot and shut down portable water delivery systems.
5. Identify aircraft types and capabilities.
6. Identify aviation management and safety for flying in and working with agency aircraft.
7. Identify tactical and logistical uses of aircraft, and requirements for helicopter takeoff and landing areas.

D. Course Outcome Assessment:

Must include:

Assessment tools include written cognitive tests and skills practicum as approved by the National Wildfire Coordinating Group (NWCG) for FI-110, S-211, and S-270.

E. Course Content:

Will include:

Items identified by the National Wildfire Coordinating Group (NWCG) from courses: FI-110, S-211, and S-270 in addition to field activity days.