

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

 x Transfer Course x A.A. Degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE: FIRE 160 – Wildland Fire Control I

UNIT VALUE: 3

MINIMUM NUMBER OF SEMESTER HOURS: 48

BASIC SKILLS REQUIREMENTS: Appropriate language and computation skills

ENTRANCE REQUIREMENTS

PREREQUISITE: N/A

COREQUISITE: N/A

RECOMMENDED PREPARATION: N/A

SCOPE OF COURSE:

Provides employed firefighters or fire service majors with a fundamental knowledge of the factors affecting wildland fire prevention, fire behavior, and control techniques.

SPECIFIC COURSE OBJECTIVES:

The student will be able to:

1. Describe the overall wildland fire control problems through the study of fire behavior, extinguishing agents and control tactics.
2. Identify the function of a fire control organization during emergency scene operations.
3. Employ tactics and strategy to evaluate and solve fire line problems.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Fire Protection Organization in California
 - A. Wildland values and functions.
 - B. Organization for wildland protection
 - C. Fire terminology
 - D. Fire history
 - E. The fire problem in California

- II. Functions of the Protection Organization
 - A. The fire prevention problem
 - B. The fire prevention plan
 - C. Pre-suppression planning
- III. Suppression Organization
 - A. Detection
 - B. Equipment
 - C. Manpower
- IV. Fire Behavior
 - A. Chemistry
 - B. Fuel
 - C. Weather
 - D. Topography
- V. Extinguishing Agents
 - A. Water
 - B. Chemicals
 - C. Dirt
- VI. Tactics
 - A. Response
 - B. Size-up
 - C. Rescue
 - D. Exposure
 - E. Attack methods
 - F. Effects of structures endangered
 - G. Confine
 - H. Extinguishments
 - I. Mop-up
 - J. Patrol
- VII. Fire Organization
 - A. Planning
 - B. Fire line
 - C. Support
- VIII. Fire Safety
 - A. Standards for survival
 - B. Personal safety
 - C. Clothing and equipment

REQUIRED READING:

Clayton, Bill, et al. Wildland Firefighting. Sacramento, CA: State of California, 1987.

Gibbs, Michael and Vogt, Mike. Wildland Study Guide. San Marcos, CA: Palomar College, 1996.

SUGGESTED READING:

Perry, Donald G. Wildland Firefighting: Fire Behavior, Tactics, and Command. 2nd edition. Bellflower, CA: Fire Publications, Inc., 1990.

REQUIRED WRITING:

Written essay of 4-6 pages pertaining to topical material of the course. Also a term notebook must be kept and must include all handouts.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes.

Students will be required to read all required and recommended texts and study guides. Students will be required to prepare for examination.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

DISTANCE LEARNING:

This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply:

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

Weekly Quizzes	25%
Midterm	25%
Final Exam	25%
Term project and written essay	25%

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes No Number of times course may be taken for credit: 1

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

CONTACT PERSON: Tom Plotts, Director Public Safety Programs, 1705

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