

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 151 - Fire Fighter I Academy

UNIT VALUE: 18

MINIMUM NUMBER OF SEMESTER HOURS: 576

BASIC SKILLS REQUIREMENTS:

Appropriate language and computational skills.

ENTRANCE REQUIREMENTS

PREREQUISITE: EME 106 or certification as an EMT-I, and admission to the Fire Fighter I Academy program

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

A 576-hour fire fighter academy course which will meet the requirements mandated by the California Office of State Fire Marshal for Certified Fire Fighter I training. Covers fire ground procedures, tactics, strategy, safety methods, fire dynamics, equipment usage and deployment, and subject material pertaining to the role of fire fighters within the fire service.

SPECIFIC COURSE OBJECTIVES:

The student will be able to:

1. Apply theory of fundamental fire science protection at a mastery level and use of modern fire science equipment appropriately.
2. Solve unique problems applying the fundamentals of combustion theory at the mastery level.
3. Justify and apply fundamental fire fighting techniques, strategies, and methods of extinguishments at the mastery level.
4. Identify and demonstrate, on a mastery level, search and rescue techniques used in modern fire science.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Orientation
 - A. Fire service organizations
 - B. Combustion and extinguishments
 - C. Protective equipment
 - D. Safety clothing
 - E. Fire streams and water measurement
 - F. Breathing apparatus
 - G. Building construction
 - H. Forcible entry
 - I. Ropes and knots
 - J. Hazardous materials
 - K. Search and rescue

- II. Minor Equipment
 - A. Hose, nozzles and fitting
 - B. Hose lays
 - C. Extinguishers
 - D. Ladders

- III. Fire Control
 - A. Ventilation
 - B. Combination drills
 - C. Driving practices
 - D. Vehicle maintenance
 - E. EMS evaluations

- IV. Fire Preventions & Inspection
 - A. Fire Investigation
 - B. Communications systems
 - C. Extinguishing agents
 - D. Salvage and Overhaul
 - E. Fire protection systems
 - F. Emergency medical systems

- V. Wildland Tactics
 - A. Wildland hoselays
 - B. Combinations drills
 - C. Tactics & strategy
 - D. Drill tower
 - E. Drill tower evaluations
 - F. Incident Command System I-100 & I-200

- VI. Physical Fitness
 - A. Physical training
 - B. Physical Ability

- VII. Certification Exam

REQUIRED READING:

International Fire Service Training Association. Essentials of Fire Fighting, 4th edition. Stillwater, OK: Fire Protection Publications, 1998.

Palomar College. Firefighter I Academy Study Guide. 12th edition. San Marcos, CA: Palomar College, 2003.

California Specialized Training Institute. Hazardous Materials First Responder. Edition 2002. San Luis Obispo, CA: CSTI, 2002.

SUGGESTED READING:

Selected reprints of fire service periodicals, at the discretion of the instructor.

REQUIRED WRITING:

The student will be required to write three term papers of 8-10 pages.

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.

Reading of the required and recommended texts and materials. The student will be expected to prepare for the exams.

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):

Quizzes and Drills	50%
Term papers	10%
Midterm Exams	20%
Final Exam	20%

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

Yes ____ No X 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: Brett Vanwey *1703

SIGNATURES ON FILE: