

**PALOMAR COLLEGE**  
**COURSE OUTLINE OF RECORD FOR**  
**DEGREE CREDIT COURSE**

\_\_\_\_\_ Transfer Course XX A.A. Degree applicable course  
(check all that apply)

**COURSE NUMBER AND TITLE:** FIRE 72 Swiftwater Rescue

**UNIT VALUE:** .5

**MINIMUM NUMBER OF SEMESTER HOURS:** 24

**BASIC SKILLS REQUIREMENTS:** Physically demanding course

**ENTRANCE REQUIREMENTS**

**PREREQUISITE:** none

**COREQUISITE:** none

**RECOMMENDED PREPARATION:** none

**SCOPE OF COURSE:** This course is intended for the training of fire service personnel in water rescue techniques. Topics include: Swiftwater rescue, submerged vehicles, drowning, use of engine/truck company equipment for water rescue, use of rafts and boats, and underwater search and recovery. Upon completion of the course, students will receive a California State Fire Marshal certificate.

**SPECIFIC COURSE OBJECTIVES:** The student will be able to:

1. Operate safely within a moving water environment
2. Conduct safe and successful swiftwater rescues
3. Identify and understand hydraulic principles associated with moving water
4. Identify low to high risk methods of swiftwater rescue
5. List rescue priorities
6. Identify and understand water rescue operations within the Incident Command System

## **CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:**

- I. Rescue 3 Philosophy:
  - A. Successful rescue is a mix of training, experience, practice, and judgment.
  - B. Rescue Priorities
  - C. Personal Comfort Zone
  - D. Components of search and rescue
  - E. Low to high risk rescue options
- II. Liability
  - A. Abandonment
  - B. Malpractice
  - C. Negligence
- III. Swiftwater Dynamics And Hydrology
  - A. Terminology
  - B. Characteristics of swiftwater
  - C. Swiftwater categories
  - D. River capacity
  - E. Current speed timing
  - F. Force of water
  - G. Wave formation
  - H. Three loads of a river
  - I. Basic swimming position
  - J. Ferry angle
  - K. Communications
- IV. Personal Equipment
- V. Medical Considerations
- VI. Dealing with Family Members
- VII. Technical Equipment
- VIII. Absolutes of Swiftwater Rescue

### **REQUIRED READING:**

Jim Segerstrom, Mike Croslin M.D., Barry Edwards. Swiftwater Rescue Technician 1. 2<sup>nd</sup> edition. Rescue 3 International Elk Grove, CA: 1997

### **SUGGESTED READING:**

Slim Ray. Swiftwater Rescue. 1<sup>st</sup> edition. CFS Press. Asheville, NC: 1997

### **REQUIRED WRITING:**

none

**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 are required to perform manipulative skills.

**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):

Students will be evaluated on a regular basis on both technical and manipulative skills. The evaluations will be based on objective criteria as outlined by Rescue 3 International and the State Fire Marshal's Office. This is a **credit/ no credit** class. Credit is given when the student meets 70% of the below requirements.

Grading Policy:

Participation	50%
Manipulative Skills	50%

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

Yes  No  Number of times course may be taken for credit: 4

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

58161 (3C)

**CONTACT PERSON: Brett Van Wey (760) 744-1150 ext.1703**

SIGNATURES ON FILE