ALABAMA FIRE COLLEGE
AND PERSONNEL STANDARDS & EDUCATION COMMISSION

COURSE SYLLABUS

Technical Rescue Personnel (TRP): Surface Water Awareness, Operations, and Technician

FSC 234

24 clock hours

PREREQUISITES

- (Pro Board or IFSAC) Certified Rescue Technician: Rope I or Technical Rescue Personnel: Rope Rescue Awareness and Operations Levels

REQUIRED COURSE MATERIALS

- ***Jones & Bartlett: Water Rescue Principles and Practice to NFPA 1006 and 1670 Surface, Swiftwater, Dive, Ice, Surf, and Flood, Third Edition***

Other materials:

- Water helmet or climbing helmet (no firefighting helmets)
- Wetsuit or dry suit
- Water boots or tennis shoes
- Water gloves
- Coast Guard approved Type V personal flotation device
- 2 forms of waterproof light (waterproof flashlight and glow stick for night drill)

DESCRIPTION

This course is based on NFPA 1006: *Standard for Technical Rescue Personnel Professional Qualifications,* Chapter 17, 2021 Edition. This program is designed for individuals who will perform or direct a technical rescue by identifying hazards, using equipment, and applying advanced techniques to rescue a victim who is afloat on the surface of a body of water.

*This is a physically demanding course which requires students to be in good physical condition.

STUDENT LEARNING OBJECTIVES

- Develop a site survey for an existing water hazard.
- Select appropriate water rescue personal protective equipment.
- Swim a designated water course.
- Demonstrate fundamental Watermanship skills.
- Define search parameters for a water rescue incident.
- Develop an action plan for a shore-based rescue of a single, water-bound victim.
- Deploy a water rescue rope to a water-bound victim.
- Deploy a water rescue rope to a water-bound victim(s).
- Negotiate a designated water course in a watercraft.
- As a member of a team, use a parbuckling technique to extricate an incapacitated water-bound victim from the water to a watercraft.
- Extricate an incapacitated water-bound victim from the water to the shore as a member of a team.
- Perform a swimming surface water rescue.
- Define procedures for helicopter aquatic rescue operations.
- Conduct a witness interview.
- Use water craft for rescue operations.
- Swim a designated water course.
- Swim and float in different water conditions with and without flotation aids.
- Perform a swimming surface water rescue.
- Manage combative water-bound victims.

- Treat an aquatic medical emergency victim.
- Evaluate water conditions to identify entry points and hazards.
- Demonstrate defensive tactics in the water rescue environment.
- Supervise, coordinate, and lead rescue teams during operations.
- Conduct a pre-entry briefing and a debriefing.

CERTIFICATION REQUIREMENTS

To be issued certification, the candidate will: provide documentation of prerequisites, complete required training hours including skills training, successfully complete the cognitive written exam, and successfully complete the practical exam.

ACCREDITATION

Alabama Fire College and Personnel Standards Commission maintains accreditation with Pro Board and IFSAC. Each student will automatically receive national registration and certification upon successful completion of all requirements for certification.

COURSE SCHEDULE (SUBJECT TO CHANGE)

Day One:	Classroom lecture – Chapters 1, 4, 5, and 16 Swim test, Equipment familiarization, Throw bag drill, Foot entrapment drill
Day Two:	PPE familiarization, Hydrology, Water hazard identification/Safety, Site surveys, Communication techniques, Active and Passive search techniques, Witness interviews, Shore based rescue operations, Rope deployment, Watercraft operation in surface water, Water entry techniques, Water rescue operations, Cervical spine injuries in water, Patient packaging, Defensive swimming, Self-rescue, tethered operations, rope systems/knots/anchors appropriate for water rescue, Swim a designated water course, Scenarios
Day Three:	Helicopter Rescue Support, Management, coordination and leadership in water recue teams, Scenarios, JPR skill testing, equipment cleaning and inventory, Survey, Certification Examination

GRADE ASSESSMENT

WRITTEN EXAMINATION

Perform to a minimum 70% competency on the examination,
(One retest is allowed after 30 days but within one year of course end date.)

PRACTICAL EXAMINATION

Successfully complete a skills/project evaluation to a minimum of 70% competency and successful completion of all critical points. Evaluators will test at least 25% of the skills for each. Skill sheets to be tested will be randomly selected by AFC Certification Unit for the practical examination. (One retest is allowed after 30 days but within one year of course end date.)