



## **FIRS 1423/1023 – Fire Fighter Certification V**

### **Online Class 2011**

**CRN – 62592 – 2<sup>nd</sup> Semester**

### **Location Class/Time/Class Days**

#### **Instructor**

*Captain Peter A. Lozano*

#### **Instructor Contact Information:**

*Office (713)718-5298*

*E-Mail [peter.lozano@hccs.edu](mailto:peter.lozano@hccs.edu)*

#### **Office location and hours:**

*Northeast Codwell Room 124B*

*Monday thru Friday Online and Saturday from 7:30 am to 5:00 pm at Fire Field*

#### **Course Description**

One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, II, III, IV, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. \*\*\*THIS COURSE IS OFFERED ONLY BY INSTITUTIONS LICENSED AS A FIRE ACADEMY BY THE TEXAS COMMISSION ON FIRE PROTECTION\*\*\*

The study of ropes and knots, rescue procedures and techniques, and hazardous materials operations. This is one of the 7 basic courses of the basic fire fighter certification program. These courses are taught concurrently due to the importance of integrating all 7 courses (and 30 specific topics) together throughout the entire program.

#### **Prerequisites**

- 1) 1 Must have passed 1<sup>st</sup> Semester with a grade of 80%
- 2) Must not have missed more than 13 hours of class.

#### **Course Class**

1<sup>st</sup> Semester - Class level 1 Must register for: Firs 1301, Firs 1407, Firs 1313, and Firs 1203

2<sup>nd</sup> Semester - Class level 2 Must register for: Firs 1319, Firs 1423, Firs 1433, Firs 1329, and Firs 1203

#### **Course Goal**

Topics include a familiarization with the Texas Commission on Fire Protection Rules and Regulations, developing a proper attitude toward the fire fighter safety, and obtaining a basic knowledge of the science of fire propagation and extinguishment. The student will also recognize the importance of wearing and maintaining personal protective equipment and self contained breathing apparatus, demonstrate the ability to use this equipment during simulated fire ground activities, and understand the importance of filing proper fire reports and records.

## **Student Learning Outcomes**

The student will be able to demonstrate competencies, for subjects taught, set forth in the TCFP curriculum for Basic Fire Suppression.

## **Learning Objectives**

Students will develop skills in the use of ropes and knots during rescue and fire ground operations, identify the proper procedures and techniques to use during all types of rescue operations, and learn to make the proper decisions when confronted with possible hazardous materials incidents.

## **SCANS or Core Curriculum Statement and Other Standards**

A study was conducted for the Department of Labor by the American Society for Training and Development which identified the seven skills U.S. employees want most in entry level employees. These skills are motivation to learn basic skills, communication, teamwork, critical thinking, career development, and leadership.

HCCS is committed to preparing every student with the knowledge and skills needed to succeed in today's dynamic work environment. Towards this end, the following skills will be included in this course. Testing and assessing these skills will vary according to individual instructors. The following are examples of how these skills may be incorporated in this course.

F1: Completes all reading assignments prior to the commencement of each lecture.

F3: Understands and applies the basic concept of figuring safe evacuation distances for hazardous materials incidents during tabletop scenarios.

F5: Comprehends detailed instructions when solving hypothetical hazardous material incident problems.

F8: Shows the ability to make decisions with regard to proper actions for first responders during all types of emergencies.

F10: Interprets schematic drawings of various hazardous materials cargo vessels that will allow them to predict the type of possible commodity carried in each vessel, as well as recognizing the various placards used in the transportation industry.

F12: Demonstrates the ability to apply general rules of safety at emergency scenes to various scenarios.

F13: Exhibits a high standard of attendance and punctuality, as well as showing a high degree of effort and perseverance in mastering the use of ropes and knots, and the various methods of rescue.

F14: Demonstrates the ability to increase self-confidence in the use of hazardous material reference guides, as well as building skill in rescuing victims by using different tools and equipment. Also overcomes the fear of height by being able to propel down the side of a six story tower.

F15: Demonstrates the ability to interact with other students during classroom and outside skill activities, as well as during deploying and picking up equipment.

C1: Allocates time by following: the scheduling of the classes, being able to adequately prepare for each class, deciding how much time to spend on each topic for a thorough understanding of the material.

C5: Acquires the needed information from the hazardous material reference books when given a hypothetical hazardous material incident.

C7: Interprets information from hazardous material reference books, and communicates the correct action for first responders to follow.

C9: Works as a member of a team in performing the skills necessary to carry out all aspects of the course, especially when performing searches in simulated dark, smoky conditions, and tying off victims during repelling and other rescue operations from elevated areas.

C12: Exercises leadership skills when required to direct their team to perform the skill of an effective search and rescue.

C15: Demonstrates an understanding of the repelling and other rescue systems used for elevated positions.

C16: Demonstrates the correct action to take when one part of the repelling system fails.

C18: Selects the proper ropes, knots, and equipment to use for each type of rescue operation.

### **Instructional Methods**

*FUNDAMENTALS OF FIRE FIGHTER SKILLS SECOND EDITION*

### **Student Assignments**

## **READING ASSIGNMENTS** **Will be assigned by Instructor**

**Quiz** Will be assigned by Instructor

### **Midterm Exam**

Saturday - 11/5/2011 @ 0730 hrs.

### **Final Exam**

Monday - 1/30/2012 @ 10:00 hrs.

### **State Exam**

Thursday – 2/2/2012 @ 10:00 hrs. Hub Center

### **Field Study**

*To be completed by Instructor*

### **Assessments**

*To be completed by instructor*

### **Instructional Materials**

None required.

### **HCC Policy Statements – ADA**

"Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Disability Services Office at the respective college at the beginning of each semester. Faculty is authorized to provide only the accommodations requested by the Disability Support Services Office." For questions, contact Donna Price at 713-718-5165 or the Disability Counselor at your college. To visit the ADA Web site, log on to [www.hccs.edu](http://www.hccs.edu), click Future Students, scroll down the page and click on the words Disability Information.

\* Central ADA Counselors – John Reno – 713-718-6164, Martha Scribner – 713-718-6164

\* Northeast ADA Counselor – Kim Ingram – 713-718-8420

\* Northwest ADA Counselor – Mahnaz Kolaini – 713-718-5422

\* Southeast ADA Counselor – Jette Friis – 713-718-7218

### **HCC Policy Statement: Academic Honesty**

A student who is academically dishonest is, by definition, not showing that the coursework has been learned, and that student is claiming an advantage not available to other students. The instructor is responsible for measuring each student's individual achievements and also for ensuring that all students compete on a level playing field. Thus, in our system, the instructor has teaching, grading, and enforcement roles. You are expected to be familiar with the College's Policy on Academic Honesty, found in the catalog. What that means is: if you are charged with an offense, pleading ignorance of the rules will not help you. Students are responsible for conducting themselves with honor and integrity in fulfilling course requirements. Penalties and/or disciplinary proceedings may be initiated by College System officials against a student accused of scholastic dishonesty. "Scholastic dishonesty" includes, but not limited to cheating on a test, plagiarism, and collusion