



FIRT 1338 Fire Protection Systems

Instructor - Brad Barrick

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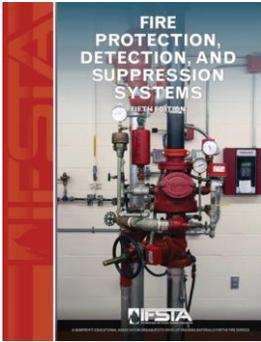
Course Description

This course provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.

Course Outcomes

At the end of this course, students will be able to:

- Explain the benefits of fire protection systems in various types of structures.
- Describe the basic elements of a public water supply system including sources, distribution networks, piping and hydrants.
- Explain why water is a commonly used extinguishing agent.
- Identify the different types and components of sprinkler, standpipe and foam systems.
- Review residential and commercial sprinkler legislation.
- Identify the different types of non-water based fire suppression systems.
- Explain the basic components of a fire alarm system.
- Identify the different types of detectors and explain how they detect fire.
- Describe the hazards of smoke and list the four factors that can influence smoke movement in a building.
- Discuss the appropriate application of fire protection systems.
- Explain the operation and appropriate application for the different types of portable fire protection systems.



Title: *Fire Detection and Suppression Systems*
Edition: 5
Publisher: IFSTA
ISBN: 9780879395995

Lesson Home

Every lesson has a 'Lesson Home' folder that introduces the Lesson and lists what is required to successfully complete the lesson.

Course Components

The *Fire Protection Systems* course is made up of the numerous graded and ungraded activities listed here.

Graded Assessments

- Discussion Forums
- Practice Exercises
- Quizzes
- Assignments

Ungraded Activities

- Reading Assignments

Grades

The following table shows the graded assessment types contained within this course and the assigned weighting used to determine the final course grade.

| Graded Assessment Types | Weights (%) |
|-------------------------|-------------|
| Discussions | 20% |
| Quizzes | 30% |
| Assignments | 50% |
| Total: | 100% |

Letter grades for the course will be based on the following grading scale.

| Letter Grade | Percentage | Grade Point |
|--------------|------------|-------------|
| A | 90 - 100% | 4.0 |
| B | 80 - 89% | 3.0 |
| C | 70 - 79% | 2.0 |
| D | 60 - 69% | 1.0 |
| F | <60% | 0.0 |

Course Participation

Unlike a traditional classroom-based course, you do not need to show up to class at a specific time every day to earn your class participation grade in an asynchronous online course. Instead, you need to complete the assignments, quizzes, and discussions by the due dates specified by your instructor. Although some of your activities will be ungraded, your instructor will keep track of whether you have completed them and will assign you a course participation grade based on your completion of these assignments.

Online Etiquette

The objective in an online discussion is to be collaborative, *not* combative. Please, proofread your responses carefully before you post them to make sure that they will not be offensive to others. Use discussions to develop your skills in collaboration and teamwork. Treat the discussion areas as a creative environment where you and your classmates can ask questions, express opinions, revise opinions, and take positions just as you would in a more traditional classroom setting.

CAMPUS GUIDELINES

AMERICANS WITH DISABILITIES ACT STATEMENT

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

DIVERSITY STATEMENT

In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

NON-DISCRIMINATION STATEMENT

South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

TITLE IX PREGNANCY ACCOMMODATIONS STATEMENT

If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To activate accommodations you must submit a Title IX

pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact Chris Straface, Director of Health and Wellness at 806-716-2362 or email cstraface@southplainscollege.edu for assistance.

FACE COVERING STATEMENT

It is the policy of South Plains College for the Fall 2020 semester that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. Such behaviors specifically include the requirement that all students properly wear CDC-compliant face coverings while in SPC buildings including in classrooms, labs, hallways, and restrooms. Failure to comply with this policy may result in dismissal from the current class session. If the student refuses to leave the classroom or lab after being dismissed, the student may be referred to the Dean of Students on the Levelland campus or the Dean/Director of external centers for Student Code of Conduct Violation.

GENERAL SAFETY ON CAMPUS

Campus Concealed Carry - Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to the SPC policy at: (http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.php)

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

South Plains College recognizes the importance of safety on campus. The protection of persons and property is a responsibility which we all share. Personal safety begins with the individual. The following guidelines are intended to assist you in protecting yourself and to encourage practices that contribute to a safe environment for our campus community.

Never leave your personal property unsecured or unattended.

Look around and be aware of your surroundings when you enter and exit a building.

Whenever possible, avoid walking alone, particularly after dark. Walk to your vehicle with other class members or request that the Security Guard/Campus Police walk you to your car.

When approaching your vehicle, keep your keys in your hand; look under your car and in the back seat and floorboard. Lock the doors as soon as you are inside your car.

FOOD AND DRINK IN CLASSROOMS

It is the policy of South Plains College not to permit food or drink in the classrooms or laboratories. Ask your instructor if food and drink is permitted in the Fire Academy Classroom.

TOBACCO USE POLICY

South Plains College prohibits the use of any tobacco product, electronic cigarette, or vapor device throughout all indoor areas and within a 25 foot perimeter around all facility entrances, exits and HVAC air intake vents under the control of SPC, including sporting facilities and SPC vehicles. Included in this ban are tobacco products of all types (including, but not limited to, cigarettes, cigars, pipes, chewing tobacco, snuff and all other kinds and forms of tobacco prepared in such a manner to be suitable for spit tobacco use,

smoking, or both). This ban also includes herbal tobacco products and simulated tobacco products that imitate or mimic tobacco products such as e-cigarettes, vapor cigarettes, pipes or other types of inhalation devices. Noncompliance by a student shall be handled by the Dean of Students, Dean of the Reese Center or the Director of the Plainview Center in accordance with procedures outlined in the Student Code of Conduct in the Student Guide.

In case of emergency at any campus, call 911