Course Description:
Study of fire detection, alarm, and extinguishing systems.

Text, References & Supplies:
Fire Protection Systems: Inspection, Test, and Maintenance Manual, 3rd edition; by Dwain C Carson P.E. and Richard L. Klinker, P.E. Published by NFPA
Also suggested but not required manuals:
NFPA13, 13D, 13R, and 14. These manuals are suggested for by the Fire Commission.

Course Goals/Objectives:
The following list of course goals will be addressed in the course. These goals are directly related to the performance objectives (Addendum A). This course will also follow the Texas Commission on Fire Protection curriculum from the Inspector’s training curriculum; Chapter 4 section 412.1.00-7.02d.

Upon completion of this course the student will know or be able to:

1. Be able to describe the purpose of the NFPA standard applicable to fire protection systems.
2. The student will be able to identify the features and characteristics of automatic sprinkler systems.
3. Be able to identify various automatic sprinkler heads.
4. The student will be able to identify the types, components and operation of automatic sprinkler systems.
5. Know the dangers of premature closing of a sprinkler main control valve and using hydrants to supply hose streams when the same water system is supplying the automatic sprinkler system.
6. The student will be able to identify the types, components, and operation of standpipe systems.
7. The student will know the three classes and the four types of standpipe systems.
8. The student will know the various types of special extinguishing systems, and be able to identify the system initiating devices.
Student Contributions and Class Policies:
This is an on-line, computer based instruction course. Each student is required to sign in to Blackboard for each course at least 3 times a week for a total of three hours per week. It is recommended that each student spend at least 3 hours per one hour on line for study of the text and information required. The student is responsible for providing a computer with internet capability, and meeting the required college minimums, and will supply the instructor with a current and active email address.

Evaluation of Students:
All evaluation of students will be by periodic quiz or major test. The number of test and quizzes will be up to the discretion of the instructor. A final test will be given. All major tests will be made up the week the test was given unless prior arrangements are made with the instructor.

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>All major tests</td>
<td>50%</td>
</tr>
<tr>
<td>Homework</td>
<td>50%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

90 and above A  
80-89 B  
70-79 C  
60-69 D  
59 and below F

Course Schedule:
This is an on-line computer instruction class, therefore; structured meeting times do not necessarily apply.
SCANS Information:
The following SCANS skills are taught and/or reinforced in this course:

SYSTEMS:
Understands systems, monitors and corrects performance and improves or designs systems. Uses hands on application.

TECHNOLOGY:
Selects technology, applies technology to a task, and maintains and troubleshoots equipment. Use hands on application.
Addendum A

**Performance Objectives:**

1. The student will sign on to FIRT 1338 at least 3 times a week for a total of 3 hours per week. The student will exhibit professional behavior during any discussion boards. Performance will be satisfactory if all the items on the following checklist are met.

   **Do List**
   - Signs into class regularly
   - Participates in class online discussions
   - Maintains positive attitude

2. The student will not be provided with necessary fire prevention equipment. Performance for content goals 2-64 will be satisfactory if consistent with course text. Satisfactory performance will be measured by an objective and/or application exam and instructor observation.
Instructor Information:
M. B. “Ollie” Oliver, Assistant Professor/Program Director Fire Protection Technology
E-Mail: olliewon@midland.edu

Room 156 TC
(432) 685-4663
Fax: (432) 685-6472

Office Hours: Office hours to be posted each semester

Curt Pervier, Dean of Technical Studies
Jennifer Constable Division Secretary for Technical Studies
(432) 685-4676
Fax: (432) 685-6472

Students are encouraged to contact the instructor at any time; however, making an appointment will guarantee the instructor's availability at a specific time.