Course Description:
The study of inspection techniques and practices, fire cause and determination. Topics include fire protection systems, wildland fire, and pre-incident planning, preparation for certification as a basic firefighter. Lab required prerequisite college entrance level math skills.

Text, References, and Supplies:
Fundamentals of Fire Fighter Skills: Jones and Bartlett publishers: current edition, student study guides
Exam Prep for Fire Fighter I&II: Hirst, Jones and Bartlett Publishers
personal protective equipment, all additional training material supplied

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). Upon successful completion of the course the student will do the following:

1. Become knowledgeable in inspection of premises both before and after fires.
2. The student will learn the basics of fire cause and determination of a fire and become knowledgeable in the science of fire investigation to determine cause.
3. Become familiar with and demonstrate fire protections systems, replacement of sprinkler heads, the workings of different types of fire valves and water operated Standpipes and automatic fire suppression systems.
4. Become knowledgeable in wildland fires and how to fight them.
5. Learn the value and correct way to pre-plan for any incident and pre-plan a possible scene
Student Contributions, and
Class Policies:

Each student will spend at least 20 hours per week in class, and 3 hours a week outside of class for each hour in class, keep current with student study guide, be alert in class, participate in class discussions, exhibit appropriate attitude toward class. Attendance is mandatory. Homework and progress quizzes will be given at the discretion of the instructor. Students will be bringing pencil, paper to class for note taking. The student will arrive on time and prepared for training each class. This will include all required equipment, books. The student will stay and participate in any clean up of training facilities until released by the instructor.

Evaluation of Students:
All evaluation of students will be by periodic quiz or major test. A final test will be given along with a skill test. All major tests will be made up the week the test was given unless prior arrangements are made with the instructor. All grading will be by simple average of all grades, no weighting will be used.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>90 and above</td>
<td>A</td>
</tr>
<tr>
<td>80-89</td>
<td>B</td>
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<tr>
<td>70-79</td>
<td>C</td>
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<td>60-69</td>
<td>D</td>
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<tr>
<td>59 and below</td>
<td>F</td>
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Course Schedule:

This class meets for 3 times a week:
  Tuesday, Wednesday and Thursday 6 PM to 10 PM, and Saturday 8 AM to 5 PM.
SCANS Information: The following SCANS skills are taught and/or reinforced in this course:

INFORMATION:
Acquires, evaluates, organizes, maintains interprets and communicates information. Uses case studies and hands on application.

LISTENING/SPEAKING:
Receives, attends to, interprets and responds to verbal messages. Communicates oral messages, participates in discussions and group activities.

THINKING SKILLS:
Creative thinking, decision making, problem solving, knowing how to learn, and reasoning. Use class discussion and hands on application.

WRITING SKILL:
Each student will have weekly assignments of short report writing or examples of professional writing as needed in the fire service.
Addendum A

Performance Objectives:

1. The student will be a member of the student will exhibit professional behavior.
   Performance
2. will be satisfactory if all the items on the following checklist are met.

   Do List
   - Attends class regularly
   - Participates in class and Maintains positive attitude

2. Unless stated otherwise, the student will not be allowed references. The student will be provided with necessary fire prevention equipment. Performance for content goals 1-5 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 and Program Director Fire Protection Technology
E-Mail: olliewon@midland.edu

Office  (432) 685-4663
Fax : (432) 685-6472
Office Hours: Office Hours to be announced each semester

Curt Pervier, Dean of Technical Studies
Jennifer Constable, Division Secretary 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.