I. **OVERVIEW**
The following information will appear in the 2012 - 2013 catalog

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>FSCI 306</td>
<td>Principles of Fire and Emergency Services Safety</td>
<td>3</td>
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</tbody>
</table>

**Recommended for Success:** Before enrolling in this course, students are strongly advised to satisfactorily complete ENGL 50.

Introduction to the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior changes throughout the emergency services.

Student may repeat if required by regulation.

Field trips might be required. (A-F Only) Lecture

II. **LEARNING CONTEXT**
Given the following learning context, the student who satisfactorily completes this course should be able to achieve the goals specified in Section III, Desired Learning:

A. **COURSE CONTENT**

1. **Required Content:**

   a. Introduction
   
   i. History of fire service culture
   
   ii. Organizational culture
   
   iii. Individual role in culture/behavior
   
   iv. History of line of duty deaths and injuries statistics
   
   v. Defining the nature of the problem

   b. The national context, health and safety
   
   i. NFPA, OSHA
   
   ii. Medical and fitness standards
   
   iii. Data collection (NFIRS)
   
   iv. Research/Investigation NIST, NIOSH

   c. Training, equipment, response
   
   i. Training, certification, credentialing
   
   ii. Apparatus and equipment
   
   iii. Emergency response-response to emergency scenes
   
   iv. Violent incidents
v. Emerging technologies

d. Organizational health and safety profile
   i. Personal and organizational accountability
   ii. Present condition/culture
   iii. Investigations- internal
   iv. Analyzing your profile
   v. Utilizing grants to meet needs

e. Risk Management
   i. Risk management concepts and practices
   ii. Unsafe acts
   iii. Empowerment definition

f. Prevention
   i. Home fire sprinklers
   ii. Code enforcement
   iii. Public education/fire and life safety
   iv. Counseling and psychological support

B. ENROLLMENT RESTRICTIONS

1. Advisories

   Before enrolling in this course, students are strongly advised to satisfactorily complete ENGL 50.

2. Requisite Skills

   Before entering the course, the student will be able to:
   a. Demonstrate basic writing skills.

C. HOURS AND UNITS

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<thead>
<tr>
<th></th>
<th>INST METHOD</th>
<th>TERM HOURS</th>
<th>UNITS</th>
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<tbody>
<tr>
<td>Lect</td>
<td></td>
<td>54</td>
<td>3.00</td>
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<tr>
<td>Lab</td>
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D. METHODS OF INSTRUCTION (TYPICAL)
Instructors of the course might conduct the course using the following method:

1. Lecture
2. Demonstrations
3. Multi-media presentations

E. ASSIGNMENTS (TYPICAL)

1. EVIDENCE OF APPROPRIATE WORKLOAD FOR COURSE UNITS
Time spent on coursework in addition to hours of instruction (lecture hours)
   a. Weekly, students will complete chapter reading assignments.
   b. Weekly, students will complete written chapter questions.
   c. Weekly, students will prepare for participation in classroom discussions.
   d. Per term, students will complete assigned subject term paper.
   e. Per term, students will give 2 oral reports on firefighter safety.

2. EVIDENCE OF CRITICAL THINKING
Assignments require the appropriate level of critical thinking
   a. Formulate an awareness of how adopting standardized policies for responding to emergency scenes can minimize near-misses, injuries and deaths.
   b. Recognize the need for counseling and psychological support for emergency services personnel, their families, as well as, identify access to local resources and services.
   c. Explain how the increase in violent incidents impacts safety for emergency services personnel when responding to emergency scenes.

F. TEXTS AND OTHER READINGS (TYPICAL)


III. DESIRED LEARNING

A. COURSE GOAL
As a result of satisfactory completion of this course, the student should be prepared to:

   define and describe the need for cultural and behavioral changes within the emergency services relating to safety, incorporating leadership, supervision, accountability and personal responsibility.

B. STUDENT LEARNING GOALS
Mastery of the following learning goals will enable the student to achieve the overall course goal.

1. Required Learning Goals
Upon satisfactory completion of this course, the student will be able to:

a. Define and describe the need for cultural and behavioral change within the emergency services relating to safety, incorporating leadership, supervision, accountability and personal responsibility.

b. Explain the need for enhancements of personal and organizational accountability for health and safety.

c. Define how the concepts of risk management affect strategic and tactical decision-making.

d. Describe and evaluate circumstances that might constitute an unsafe act.

e. Defend the need for annual medical evaluations and the establishment of physical fitness criteria for emergency services personnel throughout their careers.

f. Illustrate how technological advancements can produce higher levels of emergency services safety and survival.

g. Explain the importance of investigating all near-misses, injuries and fatalities.

IV. METHODS OF ASSESSMENT (TYPICAL)

A. FORMATIVE ASSESSMENT

1. In-the-field exercises which measure understanding of hazardous conditions response when involved in fire fighting.

2. Written quizzes

B. SUMMATIVE ASSESSMENT

1. Assess knowledge of course material through successful completion of final exam.

2. Term paper as part of final grade.