Modesto Junior College  
Course Outline of Record  
FSCI 341

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

**FSCI 341 Fire Command 1C: I-Zone Firefighting**  
2 Units

**Recommended for Success:** Before enrolling in this course, students are strongly advised to satisfactorily complete FSCI 350 and satisfactorily complete FSCI 351.

This course is designed around the responsibilities of the Company Officer at a wildland/urban interface incident.  
**Materials Fee Required**

Student may repeat if required by regulation.  
Field trips are not 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. Fire Environment.
      i. Fire behavior and Weather
      ii. Fire Prediction Systems

   b. ICS
      i. Review of the Incident Command System
      ii. Duties and Responsibilities of the Company Officer
      iii. Incident Action Plan

   c. I-Zone Operation Principles
      i. Resources
      ii. Communications
      iii. Strategy and Tactics
      iv. I-Zone Size-up
      v. Report on conditions

   d. Safety and Survival
      i. Introduction to Safety and Survival in the I-zone

ii. The Risk management Process

iii. Entrapment Avoidance

iv. Last Resort Survival

v. Properly Refusing Risk

vi. Fire Fighter Fatality and Near-miss Case Studies

e. I-Zone Incident Operations

i. Pre-incident Operations

ii. Incident Operations

iii. Post-incident Operations

2. **Recommended Content:**

a. Physical Fitness and Health Maintenance

   i. Aerobic fitness

   ii. Muscular fitness

   iii. Fatigue

   iv. Work and Rest

   v. Heat Stress and Hydration

   vi. Food and Nutrition

   vii. Personal Hygiene

b. Topography and Fuels

   i. Slope

   ii. Aspect

      a. Northern aspect

      b. Eastern aspect

      c. Southern aspect

      d. Western aspect

   iii. Ridges

   iv. Canyons and Chimneys

c. Map Reading

   i. Geographic Coordinates
ii. Latitude and Longitude
iii. Public Land Survey
iv. Global Positioning System
v. Magnetic North

B. ENROLLMENT RESTRICTIONS

1. Advisories

Before enrolling in this course, students are strongly advised to satisfactorily complete FSCI 350 and satisfactorily complete FSCI 351.

2. Health and Safety Skills/Restrictions

Before entering the course, the student must demonstrate the following skill or condition:

a. Demonstrate skills learned in I-200
b. Demonstrate skills learned in Fire Command 1A

C. HOURS AND UNITS

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D. METHODS OF INSTRUCTION (TYPICAL)

Instructors of the course might conduct the course using the following method:

1. Lecture
2. Use of audiovisual presentations
3. Discussion
4. Table top scenarios

E. ASSIGNMENTS (TYPICAL)

1. EVIDENCE OF APPROPRIATE WORKLOAD FOR COURSE UNITS

Time spent on coursework in addition to hours of instruction (lecture hours)

- Prepare for classroom quizzes
- Prepare for course final
- Daily reading materials
- Cover firefighter fatality case studies as part of a classroom discussion.
2. EVIDENCE OF CRITICAL THINKING
   Assignments require the appropriate level of critical thinking
   
   - Brainstorm case studies of firefighter fatalities.
   - Develop as part of a class an incident action planning briefing for a crew.
   - Develop a safety plan for a strike team briefing.

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:

   fight wildland fires and understand the strategy and tactics of wildland fire fighting. This course will lead
   the firefighter to acquire new skills, learn to predict fire behavior, and carry out informed actions with a
   emphasis on safety. Safety is not a peripheral consideration; it is the primary consideration.

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. Identify the three elements of wildland fire behavior including fuel, weather, and topography.
      b. Know the elements of the ICS as it relates to I-Zone fire fighting, including an Incident Action Plan.
      c. Recognize information on the duties and responsibilities of the strike team Company Officer.
      d. Provide information on the communications process as it relates to I-Zone fire fighting.
      e. Know the fundamental elements of size-up as they relate to I-Zone fire fighting and components
         of a report on conditions.
      f. Recognize and provide information on I-Zone fire fighting resources and their capabilities.
      g. Understand fire fighter safety and survival in I-Zone fire fighting.
      h. Demonstrate a basic knowledge of evacuation as it relates to I-Zone fire fighting.
      i. Demonstrate procedures for structure triage and protection.

IV. METHODS OF ASSESSMENT (TYPICAL)

A. FORMATIVE ASSESSMENT
   1. Chapter Quizzes
B. SUMMATIVE ASSESSMENT

1. State Fire Training Course Final