Course Outline

COURSE: JFT 104  DIVISION: 50  ALSO LISTED AS:

TERM EFFECTIVE: Spring 2014  CURRICULUM APPROVAL DATE: 10/28/2013

SHORT TITLE: INCIDENT SAFETY OFFICER

LONG TITLE: Fire Safety Officer S-404

<table>
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<th>Units</th>
<th>Number of Weeks</th>
<th>Type</th>
<th>Contact Hours/Week</th>
<th>Total Contact Hours</th>
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<td>Lecture</td>
<td>.45</td>
<td>8.1</td>
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<td>Lab</td>
<td>.88 TO 1.37</td>
<td>15.84 TO 24.66</td>
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<td>Other</td>
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<td>Total</td>
<td>1.33 TO 1.37</td>
<td>23.94 TO 24.66</td>
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COURSE DESCRIPTION:

Provides students specific focus on operations within an Incident Command System as a Safety Officer. Topics include safety officer effectiveness, analysis techniques, safety messages, briefings and reports, and high hazard operations. PREREQUISITE: Firefighter I or Equivalent

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: D - Credit - Degree Applicable

GRADING MODES

P - Pass/No Pass

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

02 - Lecture and/or discussion
03 - Lecture/Laboratory
04 - Laboratory/Studio/Activity

STUDENT LEARNING OUTCOMES:

1. Explain the need for an incident safety officer in empirical and image terms.
Measure: oral exam
PLO: 1,2
ILO: 1, 2

11/4/2013
2. Discuss the history of the fire department safety officer.
Measure: Exam
PLO: 1, 2, 3
ILO: 1,2 3
GE-LO:
Year Assessed: 2013

3. Discuss the relationship of risk taking to incident benchmarks.
Measure: oral exam
PLO: 2,1,3
ILO: 2,1,3
GE-LO:
Year Assessed: 2013

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS
Curriculum Approval Date: 10/28/2013
2  Hours
Content:
I. Introduction to the Safety Officer Role
   A. Safety Officer Role in fire departments
   B. History of the fire department safety officer
   C. National Fire Protection Association Standards (NFPS) standards that affect and pertain
to the incident safety officer
   D. Explain the need for an incident safety officer in empirical and image terms
Student Performance Objectives (SPO): Describe the emergence of the safety officer role in fire
departments.
Out-of-Class Assignments: Reading assignment
4  Hours
Content:
II. Risk Management
   A. Situation Awareness
      1. Size-up
      2. Clear Objectives
      3. Communications
      4. Fire Behavior
      5. Weather
      6. Chain of Command
      7. Barriers
   B. Hazard Assessment
      1. Identify
      2. Estimate potential hazard
      3. Utilize Job Aid Checklists
   C. Hazard Control
      1. Job Aid Checklists
2. Proper Personal Protective Equipment (PPE)
3. Safety Equipment
D. Decision Point
1. Go/No Go
2. The Five hazardous attitudes that effect the decision making process
E. Evaluate
1. Supervisors
2. Personnel / recourses working for you
3. Ongoing Re-Evaluation of the operation

Student Performance Objectives (SPO): Define the 5 steps of the Risk Management Process
Out-of-Class Assignments: Reading assignment
4 Hours
Content:

III. Safety Concepts
A. Safety in the Operational Environment
1. Procedures
2. Guidelines
3. Equipment
4. Personnel

Student Performance Objectives (SPO): List the three elements that affect safety in the work environment
Out-of-Class Assignments: Reading assignment
4 Hours
Content:

IV. The Incident Safety Officer (ISO) at Technical Rescue Incidents
A. Tech-rescue incidents
1. Mandatory ISO assignment for confined space, trench, and hazmat incidents
B. General Duties at the Tech-Rescue Incident
1. Victim location and predicament
2. Rescue likelihood
C. Monitoring Issues at Tech-Rescue Incidents
1. Risk
2. Operational effectiveness
D. Personal Safety System Issues at Tech-Rescue Incidents
1. Accountability systems
2. Control Zones
3. Radio Transmissions
4. Rehab
5. Traffic
E. Defining Other Needs
1. Need for ISO assistance

Student Performance Objectives (SPO): List two rehab issues that require special attention at tech rescue incidents.
Out-of-Class Assignments: Reading assignment
4 Hours
Content:

V. Incident Safety Officer (ISO) at Structure Fires
A. Introduction to Specific Incident Types
1. Standard format to address multiple incident types
B. ISO General Duties at Structure Fires
1. Structure fires considered the most risky incident type
2. Monitor general issues
3. Evaluate personal safety system issues
4. Define other needs
5. Benchmarks
C. Monitoring Issues at Structure Fires
1. Risk
2. Operational effectiveness
D. Personal Safety System Issues at Structure Fires
1. Personal accountability report (PAR)
2. Control Zones (NFPA1521)

Student Performance Objectives (SPO): Discuss the relationship of risk-taking to incident benchmarks
Out-of-Class Assignments: Reading Case Study Assignment

6-14 Hours
Content:
VI.
A. Applying the ISO Action Model at Structure Fires
1. Risk evaluation at a structure fire
2. Recon evaluation at a structure fire
3. Resource evaluation at structure fires
4. Report issues at structural fires
B. Unique Considerations at Structure Fires
1. Residential versus commercial fires
2. High-rise buildings
3. Strip malls
4. Buildings with central hallways and stairwells
C. The ISO Action Model at structural fires
1. Risk: Rescue profile
2. Recon - Evaluate principal hazard, integrity, and physical surroundings
3. Rehab - Evaluate time, personnel, and equipment
4. Report: utilize safety briefings

Student Performance Objectives (SPO): List four ISO functions at high-rise fires
Out-of-Class Assignments: Reading Assignment

METHODS OF INSTRUCTION:
Skills Demonstration, Lecture, Scenario Training

METHODS OF EVALUATION:
CATEGORY 1 - The types of writing assignments required:
Percent range of total grade: 10 % to 20 %
Reading Reports
Course primarily involves skill demonstration or problem solving

CATEGORY 2 - The problem-solving assignments required:
Percent range of total grade: 20 % to 30 %
Field Work
Other: Skills Exam
CATEGORY 3 - The types of skill demonstrations required:
Percent range of total grade: 50 % to 90 %
Class Performance/s
Field Work
Performance Exams

CATEGORY 4 - The types of objective examinations used in the course:
Percent range of total grade: 30 % to 50 %
Multiple Choice
Other: Skills Demonstration

REPRESENTATIVE TEXTBOOKS:
Recommended:
FEMA, NIMS ICS All-Hazards Safety Officer, FEMA, 2012, or other appropriate college level text.
Reading level of text, Grade: 12 Verified by: An-Yueng
Other textbooks or materials to be purchased by the student: Fire Department Incident Safety Officer 2nd Edition, David Dodson 2007

ARTICULATION and CERTIFICATE INFORMATION
Associate Degree:
CSU GE:
IGETC:
CSU TRANSFER:
Transferable CSU, effective 201430
UC TRANSFER:
Not Transferable

SUPPLEMENTAL DATA:
Basic Skills: N
Classification: Y
Noncredit Category: Y
Cooperative Education:
Program Status: 2 Stand-alone
Special Class Status: N
CAN:
CAN Sequence:
CSU Crosswalk Course Department: JFT
CSU Crosswalk Course Number: 104
Prior to College Level: Y
Non Credit Enhanced Funding: N
Funding Agency Code: Y
In-Service: Y
Occupational Course: C
Maximum Hours: .5
Minimum Hours: .5
Course Control Number:
Sports/Physical Education Course: N
Taxonomy of Program: 213300