

NEW COURSE PROPOSAL INFORMATION

(Must be submitted for evaluation prior to C & I approval)

Division: **Health & Public Services Division**

Course Designator: **EHMT 232**

Course Title: **CSTI Incident Commander &
First Responder Operations**

Same as (course(s) designator(s),

Effective Catalog Year: **1999-2000**

I. Curriculum Mix:

A. How does this course fit into the total curricular framework of the college or other departments?
Required for Environmental Technology majors. Recommended for Fire Science, EMT/Paramedic, Basic Police Academy, and Administration of Justice majors.

B. What effect, if any, might this course have on the enrollment in other courses/programs across the college curriculum?

This course should increase enrollment in Environmental Technology, Fire Science, EMT/Paramedic, Basic Police Academy, and Administration of Justice majors

II. Class Maximum:

A meeting composed of **Nick Vent, Robert Evangelista, and Charlotte Erdahl** and held on **February 13, 1999** established the following maximum class enrollment: 40*

***State mandated maximum: 40 students per instructor**

III. Fiscal Impact

A. Staffing:

1. Certificated **2.7 lhr**
2. Classified

B. Facility Requirements

1. Room(s):
 - a. Lecture [] Laboratory [] Other []
 - b. Presently Available: Yes [] No []
2. Capital Outlay/Equipment
 - a. Now available in department []
 - b. Estimated cost to acquire: _____
3. Supplies
 - a. Now available in department []
 - b. Estimated cost to acquire: _____
4. Library/LRC
 - a. Adequate Library support []
 - b. Adequate LRC support []
 - c. Estimated cost to acquire: \$2,000

Dean/Library/LRC

Date

5. Technology Resources (if necessary)

- a. Now available []
- b. Estimated cost to acquire _____

Subcommittee E

Date


Instructional Administrator

2/17/99
Date

Vice President for Academic Affairs

Date

NEW/MODIFIED/ACTIVATED/INACTIVATED COURSE

Division: **School of Technology & Human Services**

Date **2/17/99**

Course Designator: **EHMT 232**

Title: **CSTI Incident Commander & First Responder Operations**

Same as (other course(s) designator(s), ,

Effective Catalog Year: **1999-2000**

Faculty Originator: **Robert Evangelista**

New Course []

Course Classification Code: **I3**

Course Modification* []

SAM Classification Code: **C**

Inactivate Course []

Activate Course []

Requires Board Approval:

Units of Credit From: To:
Lecture Hours From: To:
Laboratory Hours From: To:
Degree Status From: To:

Prerequisite [] (attach change)
Co-requisite [] (attach change)

Course Designator: []
From:
To:

Board Approval Not Required:

Course Description [] **
Grading Basis []
Recommended Preparation []
Other:

Title: []
From:
To:

Rationale for Modification or Activation or Inactivation:

***NOTE: Attach new or modified course outline for all course modifications.**


Division Dean

2/17/99
Date

Vice President for Academic Affairs

Date

Academic Senate Vice President

Date

Instructional Office Use Only:

Approved by:

C & I Sub A Date: _____

C& I Committee Date: _____

Governing Board Date: _____

Catalog Number Date: _____

GENERAL INFORMATION

- A. Need for course **There is a deficiency within San Diego County for Incident Commanders in Fire, Police, and Environmental agencies and corporations.**
- B. Specific student population for whom this course is designed **Environmental Technology; Fire Technology; Administration of Justice; EMT/Paramedic; Basic Academy**
- C. Parallel courses offered elsewhere in: **(MUST BE COMPLETED)**
- (a) Community Colleges
- | | |
|--------------------|------------------|
| Course Title | College |
| Incident Commander | Cuyamaca College |
- (b) Four-year Institutions
- | | |
|--|---|
| Course Title | College/University |
| Incident Commander | California Specialized Training Institute |
| Safety & Emergency Response | CSU, Bakersfield |
| CSTI Haz Mat First Responder Oper. Trng. | UC San Diego |
- For vocational courses only:
- Recommended by Advisory Committee: Yes [] No []
- D. Scheduling Characteristics:
- Fall [] Spring [] Variable [✓]
- E. Check One: Degree applicable [✓] Non Degree applicable []
- F. Course Challengeable by Exam: Yes [] No [✓]
- If no, rationale: **This course has a minimum hour requirement for the State of California certification 19 CCR 2510-2550 and for the federal requirement 29 CFR 1910.120.**
- G. Graduation Requirements
- Recommended for:
1. Plan A--General Education Requirements for the Associate Degree Under []
 2. Plan B--General Education Breadth Requirements, California State University Under []
 3. IGETC UC/CSU General Education Breadth Requirements, University of California Under []
- H. Transferability
1. Recommended for California State University (course number must be three digits) [✓]
 2. Recommended for University of California (course number must be three digits) [✓]
 3. Non Transferable (course number must be two digits) []
 4. 295 Course Transferable [] Non Transferable []
- I. FSA (Faculty Service Area Number) **029**

SOUTHWESTERN COLLEGE COURSE OUTLINE

Division: **School of Technology
& Human Services**

Origination Date: **3/01/99**

Modification Date:

Effective Date: **Fall 1999**

Course Designator

And Number

Title

Units

Lec

Lab

EHMT 232

**CSTI Incident Commander &
First Responder Operations**

2

1.5

1.5

Same as (other course(s) designator(s), _____ ,

Grading Basis: **Grading scale; credit/no credit option available**

Prerequisite:

Co-requisite:

Recommended Preparation:

EHMT 231

Course Description & Scope: (50 words or less)

Course provides increased capability to assume the Incident Commander, as well as, any other command or general staff ICS (Incident Command System) role during a hazardous materials event. Topics include: hazard recognition, Incident Command System, protective equipment, risk versus gain, and response objectives. Meets OSHA 29CFR1910.12 & Cal/OSHA 8CCR5192 California CSTI certification for Incident Commander will be given upon successful completion.

Measurable Course Objectives and Minimum Standards, as Determined by Standards set by the instructor, at 70% Proficiency for a Grade of "C":

1. Student will recognize, define, and assess a hazardous material or an event through basic clues and warning signs, and identify responder roles and tactics upon recognition through written assignments and didactic role playing.
2. Student will, through written exams and activities, describe basic First Responder and Incident Commander actions at a hazardous material (haz mat) incident, and implement the Standardized Emergency Management Systems (SEMS), Incident Command System (ICS), and describe the purpose of a local Emergency Operations Center (EOC).
3. Student will, through written exam and classroom actions, explain the types, selection, criteria, and risks of protective equipment used in a haz mat event, and cite the Incident Commander's role regarding Personal Protective Equipment (PPE).

4. Student will identify and select appropriate response objectives, protective actions, and containment/control methods needed to stabilize a hazardous materials event.
5. Student will identify and select appropriate disposal options, and alternative funding sources available to remediate a haz mat incident.
6. Student will, through written exercises, demonstrate the appropriate methods of completing the documentation needed at haz mat incidents and cite the essential elements to complete each.
7. Student will, through written and oral exercises, identify typical agencies and private sector resources available to respond to a haz mat event.
8. Student will, through written exam and oral exercises, identify both pre-event, event-specific and local contingency plans, and describe the general requirements of state and federal plans or response teams.
9. Student will demonstrate the appropriate use of the risk vs. gain concept of a safe haz mat response process.
10. Student will, through written exam and role playing, identify the legal role and rights of the media at events.
11. Student will identify "real world" problems that are likely to occur in a haz mat or multiple casualty event.
12. Student will, through written exam and scenario actions, explain the value, types and limits of exercises and critiques.

Core Content to be Covered in all Sections:

1. Approximate 5 % of course
Course review and introduction to hazardous materials at the Incident Commander (IC) level.
2. Approximate 10 % of course
Hazardous materials recognition and safety, isolation, and notification procedures
3. Approximate 10 % of course
Command and scene management at a hazardous materials (haz mat) Incident.
4. Approximate 5 % of course
Identification/hazard assessment and action plans.
5. Approximate 5 % of course
Personal protective equipment
6. Approximate 10 % of course
Protective actions and containment/control methods
7. Approximate 5 % of course
Documentation, cleanup or disposal considerations and funding issues
8. Approximate 3 % of course
Agency identification and coordination
9. Approximate 2 % of course
Toxicology
10. Approximate 3 % of course
Pre-event and event-specific planning
11. Approximate 4 % of course: Supplemental
Managing and working with the media
12. Approximate 3 % of course
Criminal investigation at a haz mat event
13. Approximate 5 %
Managing actual haz mat event and medical responses
14. Approximate 20 %
Exercises, critiques, and the IC exercise briefing

CHECKLIST FOR CLASSIFICATION

Course: EHMT 232

Non Degree Credit

Degree Credit

Title: CSTI Incident Commander & First Responder Operations

GRADE	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Culminates in a formal grade based on uniform standard 55002a6	Documentation	Yes <input type="checkbox"/> No <input type="checkbox"/> Culminates in a formal grade based on uniform standard 55002a4	Signatures Faculty Reviewer: <u>Robert Engelhardt</u> Date: <u>2/17/99</u> Instructional Administrator: <u>[Signature]</u> Date: <u>2/17/99</u>
PREREQUISITES	Language & computation or other entrance skills, if needed, are sufficient for enrollment in Associate Degree level courses 55002a9 Not Required	Pre- or Co-requisites developed by advisory committee, articulation agreement, sequential course or student data available.	[Shaded Area]	Approved: <input checked="" type="checkbox"/> Disapproved: <input type="checkbox"/>
OUTLINE Objectives Scope Content	Common to all students 55002a4 Covered by 55805.5a-e ◆ Transfer ◆ Non-baccalaureate occupational major ◆ If English: 1 level below Engl 115 or less ◆ If Math: Algebra or above ◆ Equivalent English or Math 550805.5 Introduces students to the key concept and methods of a discipline (55002a12 "College Level")	Course Proposal	Common to all students 5502b4 Prepares students to succeed in types of courses in 55805.5 OR One of a sequenced series of course with final objective being the acquisition of such skills OR A special class that facilitates measurable progress toward an educational goal 56030c OR Prepares students for non-college oriented occupation None of the above	Approved: <input type="checkbox"/> Disapproved: <input type="checkbox"/>
QUALITY OF ASSIGNMENTS	Appropriate college level educational materials 55002a 11 & 12 Critical Thinking: Requires analysis, synthesis, evaluation, &/or problem solving 55002a10.	Measurable objectives and/or method of evaluation contained in the course outline.	Measures student performance in terms of stated objective.	Approved: <input type="checkbox"/> Disapproved: <input type="checkbox"/>
QUANTITY OF ASSIGNMENTS	Scope & intensity of work requires independent study outside of class 55002a7 Requires a minimum of 3 Hrs. of work per week, including class time, per unit of credit 55002a6	Syllabus and/or course outlines	Specifies amount of student work that must be completed per unit of credit earned 55002b6	Approved: <input type="checkbox"/> Disapproved: <input type="checkbox"/>
REPEATABILITY	Repeatable only under 51000, 55761-3, 56044, 58161, 55002a13	College policy stated in Catalog	Repeatable only under 51000, 55761-3, 56044, 58161, 55002b8	Approved: <input type="checkbox"/> Disapproved: <input type="checkbox"/>
OFFICE USE ONLY				Mailed to Chancellor's Office _____ Date: _____ Approved by Chancellor's Office _____ Date: _____

COMMENTS ON BACK

PREREQUISITE, COREQUISITE AND RECOMMENDED PREPARATION CHECK



<i>Course Name/Number:</i> EHMT 232	<i>Course Title:</i> CSTI Incident Commander & First & First Responder Operations
<i>Name the Prerequisite:</i>	<i>Co-requisite</i>
<i>and/or Advisory (Recommended Preparation)</i> EHMT 231	

The content of courses, which have prerequisites, co-requisites, or advisories must be reviewed by department faculty, and the need for the prerequisite, co-requisite, or advisory must be scrutinized and verified.

Content Review of the Course

(all boxes must be checked)

The department should review course content and determine the prerequisite, co-requisite, or advisory is an appropriate measure of student readiness to enter the course.

1. Review of prerequisite or co-requisite involved faculty with appropriate expertise.
2. Review of the course objectives as appropriate to course purposes.
3. Review is based on a detailed course syllabus and outline of record including:
 - texts and related instructional materials
 - type and number of examinations
 - grading criteria
4. Identify the body of knowledge and/or skills, which are deemed necessary at entry and/or concurrent with enrollment.
5. Identify and review the prerequisite or co-requisite course, which develops the body of knowledge and/or measures skills identified under #4.
6. Match the knowledge and skills (identified under #4) in the course with those developed or measured by the prerequisite or co-requisite identified under #5.
7. Maintain documentation that the above steps were taken.

The Content Review form should accompany this form. This form and the Content Review should be attached to the course outline.

The Prerequisite, co-requisite, or advisory is verified by the content review of the course and scrutiny of the prerequisite, co-requisite, or advisory. The content review, scrutiny, and verification have been completed by:

 C. Kendall 2/17/99 Robert G. ... 2/17/99
Division dean (or designee) Date Discipline Faculty Date

The Curriculum Committee ____ approves ____ disapproves the validation of the prerequisite, co-requisite, or advisory.

Academic Senate Date Vice President for Academic Affairs Date

CONTENT REVIEW WORKSHEET

COURSE: EHMT 232, CSTI Incident Commander & First Responder Operation	DISCIPLINE REVIEW FACULTY: Robert Evangelista
PREREQUISITE COURSE:	
COREQUISITE COURSE:	
RECOMMENDED PREP COURSE: EHMT 231, Hazardous Materials Incident Response	DATE: 2/17/99

PREREQUISITE/COREREQUISITE/ RECOMMENDED PREP COURSE LEARNING OBJECTIVES/EXIT SKILLS	TARGET COURSE					
	RECOGNIZE, DEFINE, OR ASSESS A HAZARDOUS MATERIAL	RESPONSE OBJECTIVES, PROTECTIVE ACTIONS	PROTECT SITE OR RESPONSE PERSONNEL	INCIDENT COMMAND SYSTEM	STANDARDIZED EMERGENCY MANAGEMENT SYSTEM	LOCAL EMERGENCY OPERATIONS CENTER
Recognizing, evaluating and controlling hazardous substances	✓					
Hazardous material operations, health & safety procedures		✓	✓		✓	✓
Develop organizational structure				✓		
Develop standard operating procedures				✓	✓	✓
Select and use respiratory equipment		✓	✓			
Operation of field monitoring equipment		✓	✓			
Direct-reading air monitoring equipment		✓	✓			