

EL CAMINO COLLEGE
COURSE OUTLINE OF RECORD

I. COURSE DESCRIPTION

Course Title and Number : Fire and Emergency Technology 142abcd (Official)

Descriptive Title : Basic Emergency Medical Technician Recertification

Discipline : Fire Technology

Division : Industry and Technology

Course Length : ☒ Full Term
☐ Other (specify:)

Hours Lecture : 1.5

Hours Laboratory : 0

Course Units : 1.5

Grading Method : ☒ Letter
☐ Pass/No Pass
☐ Both
☐ No Grade

Course Type : ☒ Credit, Degree Applicable
☐ Credit, Not Degree Applicable
☐ Non-Credit

Transfer CSU : ☒ Yes (Effective Date: Prior to Fall, 1992)
☐ No

Transfer UC : ☐ Yes (Approval Date:)
☐ Pending
☒ No

Conditions of Enrollment: Specify Prerequisite, Corequisite, Recommended Preparation, Enrollment Limitation, or None.

Prerequisite:

Fire and Emergency Technology 140 and 141 with a minimum grade of C in prerequisite or equivalent course work taken within the past 3 years

Catalog Description :

This is a refresher course for those in need of recertification as a Basic Emergency Medical Technician (EMT). This course is designed to present the student with updated and new technology in the areas of emergency pre-hospital care.

II. COURSE OBJECTIVES

List the major objectives of the course. These must be stated in behaviorally measurable terms.

1. Determine and treat life-threatening trauma and medical situations.
2. Analyze methods of initial life-saving techniques.
3. Demonstrate current pre-hospital therapy, methods and techniques.
4. Evaluate the significance of special emergency problems, including the altered conscious patient; the chemically altered and abusive patient; the entrapped and multiple patient emergency.

III. OUTLINE OF SUBJECT MATTER

The topics should be detailed enough to enable an instructor to determine the major areas that should be covered and so that the course may have consistency from instructor to instructor and semester to semester.

Approximate
Time in Hours

Major Topics

2	I. CARDIOPULMONARY ANATOMY AND PHYSIOLOGY, AND CARDIOPULMONARY RESUSCITATION (CPR) A. Locations of internal organs B. Landmarks
3	II. THE MEASUREMENT AND MAINTENANCE OF VITAL FUNCTIONS A. Pulse B. Blood pressure C. Respiratory rate
5	III. SKILLS NECESSARY TO TREAT MEDICAL AND/OR TRAUMATIC EMERGENCIES A. Bandaging B. Spinal immobilization C. Vital signs support
10	IV. SIMULATIONS A. Heart attack B. Respiratory arrest C. Obsterical emergencies
3	V. ENIRONMENTAL INJURY OR ILLNESS EVALUATION/THERAPY A. Burns B. Trauma C. Vehicle injuries
4	VI. CPR SKILL PRACTICE A. One rescuer B. Two rescuer C. Infant
27	TOTAL HOURS

IV. METHODS OF EVALUATION**A. CREDIT, DEGREE APPLICABLE AND CREDIT, NOT DEGREE APPLICABLE COURSES**

Check the PRIMARY method of evaluation for this course.

- ☐ Substantial writing assignments
- ☐ Problem solving demonstrations (computational or non-computational)
- ☒ Skill demonstrations

A minimum of one response in 1, 2, or 3 below, as applicable, is required. However, you may check all that apply.

1. Indicate the types of writing assignments used as primary or secondary methods of evaluation for this course.
 - ☐ Essay exams
 - ☒ Written homework
 - ☐ Term or other papers
 - ☐ Reading reports
 - ☐ Laboratory reports
 - ☐ Other (specify)
2. Indicate the types of problem-solving demonstrations used as primary or secondary methods of evaluation for this course.
 - ☐ Exams
 - ☐ Laboratory reports
 - ☒ Quizzes
 - ☐ Homework problems
 - ☒ Fieldwork
 - ☐ Other (specify)
3. Indicate the types of skill demonstrations used as primary or secondary methods of evaluation for this course.
 - ☒ Class performance
 - ☒ Performance exams
 - ☒ Fieldwork
 - ☐ Other (specify)
4. If objective exams are also used, check all that apply.
 - ☒ Multiple choice
 - ☒ Completion
 - ☐ Matching items
 - ☐ True/false
 - ☐ Other (specify)

B. NON-CREDIT COURSE

Indicate the methods of evaluation that will be used to determine that the stated objectives have been met.

V. COURSEWORK**A. TYPICAL ASSIGNMENT**

Provide an example of a typical assignment. This assignment must correspond to the PRIMARY method of evaluation indicated in Section IV, Methods of Evaluation. That is, it must be a writing assignment or, if more appropriate, an assignment involving problem solving or skill demonstration.

Prepare and submit with justification, the MINIMUM requirements for a personal EMT 1 first aid kit. The contents of the kit shall be selected at student discretion, but must include the following mandatory items: gloves, pocket mask, bleeding control items, stethoscope and sphygmomanometer. Submit kit to instructor for evaluation.

B. COLLEGE-LEVEL CRITICAL THINKING ASSIGNMENTS

Cite two specific assignments that demonstrate college-level critical thinking. (Required for degree applicable courses only.)

1. Given a chest trauma patient, the student shall compare and contrast the symptoms and therapy between cardiac tamponade and tension pneumothorax. Demonstrate to instructor for evaluation.
2. After preparing an intravenous set-up, and given a prescribed flow rate of 100 cc/hr, the student shall calculate the needed drip rate for a mini drip as well as a macro drip (drip factor 10) following the formulas given in class. Demonstrate to instructor for evaluation.

C. WORK OUTSIDE OF CLASS

Two hours of work outside of class are required for each hour of lecture or equivalent. Each student in this course will be required to participate in the following work outside of class time. Check all that apply.

- ☒ Study
- ☐ Answer questions
- ☒ Skill practice
- ☐ Required reading
- ☒ Problem solving activity
- ☒ Written work (such as essay/composition/report/analysis/research)
- ☐ Journal (done on a continuing basis throughout the semester)
- ☒ Observation of or participation in an activity related to course content (such as theatre event, museum, concert, debate, meeting)
- ☐ Course is lab only - minimum required hours satisfied by scheduled lab time
- ☐ Other (specify)

VI. INSTRUCTIONAL METHODOLOGY

Check all planned instructional activities that apply:

- ☒ Lecture
- ☐ Lab
- ☐ Discussion
- ☒ Multimedia presentations
- ☒ Demonstration
- ☐ Group activities
- ☒ Role play/simulation
- ☐ Guest speakers
- ☐ Field trips
- ☐ Other (specify)

NOTE: In compliance with Board Policies 1600 and 3410, Title 5 California Code of Regulations, the Rehabilitation Act of 1973, and Sections 504 and 508 of the Americans with Disabilities Act, instructional delivery shall provide access, full inclusion, and effective communication for students with disabilities.

VII. TEXTS AND MATERIALS

If multiple selection is offered, only representative texts need be listed. An up-to-date list of required and recommended materials is maintained in the division office.

A. REQUIRED TEXTS (title, author, publisher, year)

EMERGENCY CARE by Daniel Limmer and Michael O'Keefe - Pearson Publishing - 2009

WORKBOOK - EMERGENCY CARE by Daniel Limmer and Michael O'Keefe - Pearson Publishing - 2009

EMT-B COURSE SUPPLEMENT by Tim Dennis - El Camino College - 2008

B. REQUIRED SUPPLEMENTARY READINGS

None

C. OTHER REQUIRED MATERIALS

Stethoscope

VIII. CONDITIONS OF ENROLLMENT

If this course has a prerequisite or corequisite, complete section A. If this course has an Enrollment Limitation, complete section B.

A. PREREQUISITE AND/OR COREQUISITE

1. Indicate if this course has a prerequisite, corequisite, both, or none.

- ☒ Prerequisite
☐ Corequisite

2. Indicate Type. Check all that apply.

- ☒ Sequential
☐ Computational/Communication Skills
☐ Health and Safety
☐ Non-Course
☐ Standard (If this is a Standard Prerequisite or Corequisite, attach CCC Form D.)

3. Entrance Skills/Knowledge

List the required skills and/or knowledge without which a student would be highly unlikely to receive a grade of A, B, C, or Credit (or for Health and Safety, would endanger self or others) in this course.

1. Ability to measure vital signs.
2. Cardiopulmonary childbirth procedures.
3. Pre-hospital childbirth procedures.
4. Contagious disease precautions.
5. Traumatic shock identification and treatment.
6. Treatment of altered consciousnesses patients.
7. Familiarity with human physiology.
8. CPR proficiency according to American Heart Association (AHA) standards.
9. Ability to splint fractures.

B. ENROLLMENT LIMITATION

1. Indicate the category which describes the Enrollment Limitation for this course.

- ☐ Band/Orchestra
☐ Theater
☐ Speech
☐ Chorus
☐ Journalism
☐ Dance
☐ Intercollegiate Athletics
☐ Honors Course
☐ Blocks of Courses

☐ Other (specify)

2. List Degree and/or Certificate requirements that are met by this course.
3. List all El Camino College courses that also satisfy the requirements listed above in section B.2.

Originator: JOHN SCHWAB

Submittal
Date: FALL, 1988

BOARD APPROVAL DATE:

Reviewed and/or Revised by:

JOHN SCHWAB

Date: FALL, 1989

JOHN SCHWAB/NANCY SCHWAB

Date: FALL, 1996

LEE MACPHERSON

Date: JULY 1, 2009

