

COURSE OUTLINE OF RECORD



Palo Verde College

**One College Drive, Blythe, CA 92225
(760) 921-5500**

Course Control Number: 000544592

Course Outline Approval Dates		
	Curriculum Committee	Board of Trustees
Face-to-Face	4/11/13	5/14/13
Correspondence Ed.	N/A	N/A
Distance Ed.	4/13/13	5/14/13

1. Course Information. Course Initiator: Roger Bloom & Scott Peterson

Subject Area and Course Number: EMS 160		Course Title: Emergency Medical Technician	
New Course <input checked="" type="checkbox"/> Revised <input type="checkbox"/> Updated <input type="checkbox"/>		Static ID	TOP Code 1250.00 Credit Status Request D=Credit-Degree Applicable Course prior to college level Y=Not applicable
Classification Code I=Occupational Education	SAM Code C=Clearly occupational		
Noncredit category Y=Not Applicable; Credit Course	Meets a unique need: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Course duplicated: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Demand/Enrollment Potential: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Transfer request B=CSU only	Articulation request: UC <input type="checkbox"/> CSU <input checked="" type="checkbox"/> CSU-GE <input type="checkbox"/> IGETC <input type="checkbox"/>		
Basic Skills N=Not a Basic Skills Course	Funding Agency Y=Not Applicable		Course Program Status 2=Stand-alone
Co-Op Status N=Not Part of a Co-Op Program	Special Class Status N=Course is Not a Special Class		

JUSTIFICATION FOR NEED:

Coursework fulfills the requirements mandated by Riverside County Emergency Medical Authority (EMS).

CATALOG DESCRIPTION:

The Emergency Medical Technician course is approved by the Riverside County Health Services Agency (Emergency Medical Services Division). The purpose of the EMT training program is to prepare the individual to render basic life support at the scene of an emergency, during transport of the sick and injured, or during inter-facility transport within an organized Emergency Medical Services (EMS) System. The course emphasizes demonstration of competency and proficiency in the required skills. The course is recommended for ancillary medical emergency personnel. The student must be 18 years of age to register. Passing score is at least 80% for the individual's name to be submitted for National Registry Testing for certification processing. The variable hours for the EMT course are determined by the various county Emergency Medical Services Agency. For Riverside County Students, a passing score of at least 80% is also sent to Riverside County EMS Authority for certification processing. The course includes additional clinical time at hospital and ambulance setting. Upon completion the student will have met the required standards and be eligible to register for the National Registry Emergency Medical Technician (NREMT) - Basic Examination. This course is required for ambulance personnel.

SEMESTER UNITS: 4-13

Course Length: Lecture: 60-100 Laboratory: 60-100 Clinic/Field: 24

Variable hours will be assigned as determined by the county in which the course is conducted. These hours shall be divided into: A minimum of 136 hours of didactic instruction and skills laboratory; and a minimum of 24 hours of supervised clinical experience. The clinical experience shall include a minimum of 10 documented patient contacts wherein a patient assessment and other EMT skills are performed and evaluated.

PRE-REQUISITES, CO-REQUISITES AND ADVISORIES:

Pre-requisites: Must be 18 years of age to register. Must have current Healthcare Providers CPR card.

STUDENT LEARNING OUTCOMES:

1. Meet the standards of entry level practice of an Emergency Medical Technician to safely care for patients experiencing trauma and emergency medical conditions.
2. Meet the required standards to obtain a course completion certificate, which will qualify them, as required by Title 22-Chapter 5-Division 6, to take the Emergency Medical Technician certifying examination.

COURSE OBJECTIVES:

Upon successful completion of the course the student will be able to:

1. Discuss and demonstrate professionalism and medical ethics
2. Demonstrate primary and secondary surveys of patients with relation to the medical and traumatic emergencies and the environmental hazards.
3. Recognize respiratory emergencies and demonstrate appropriate airway management and oxygen therapy.
4. Demonstrate appropriate intervention and use of airway equipment
5. Identify medical, traumatic, obstetric, and shock and demonstrate appropriate supportive care
6. Demonstrate competent handling of bleeding problems, with appropriate bandaging, splinting, and extrication skills.
7. Perform all duties and roles of an EMT.
8. Perform all duties and roles of an EMT.
9. Sit for Certification Examination for the Riverside County Emergency Medical Technician and pass the written and practical examination.
10. Gain employment with ambulance services, emergency services, or other related field as an EMT.

COURSE OUTLINE AND SCOPE:**1. Outline of topics or content:**

- a. The EMT – Basic
 - 1) Role and responsibilities of the EMT
 - 2) Emergency medical services system components
 - 3) Laws governing the EMT
- b. Human systems and patient assessment (initial, ongoing, reassessment, trending, evaluating, recording)
 - 1) Medical terminology; overview of medical terminology including anatomical terms
 - 2) Human systems: overview of anatomy and physiology
 - 3) Patient assessment (initial, ongoing, reassessment, trending, evaluating, recording)
 - 4) Shock
 - 5) Respiratory system
 - 6) Cardiovascular system
 - 7) Nervous system
 - 8) Soft Tissue Injuries
 - 9) Musculoskeletal system
 - 10) Medical emergencies
 - 11) Obstetric and gynecologic emergencies

2. If a course contains laboratory or clinic/field hours, list examples of activities or topics:

Practical skills such as: vital signs, splinting, bandaging, spinal immobilization, traction splints, bleeding control, emergency childbirth, medical, trauma assessments and extractions. Supervised clinical experience shall include a minimum of 10 documented patient contacts wherein a patient assessment and other EMT skills are performed and evaluated.

3. Examples of reading assignments:

Reading assignments are required and may include, but are not limited to, the following:
Textbook as assigned by instructor
Handouts regarding the latest updates in regulations and/or procedures

4. Examples of writing assignments:

Writing assignments are required and may include but are not limited to the following
Journals covering current clinical and field experiences
Ten (10) written patient assessments (Pre-hospital Care Reports)
Workbook Assignments

5. Appropriate assignments to be completed outside of class:

Ambulance Ride-alongs
Emergency Room Clinical Experience

6. Appropriate assignments that demonstrate critical thinking:

Practice Triage Scenarios
Identifying Signs and Symptoms of Critically Ill or Injured Patients
Listing Steps of Patient Assessments and Prioritizing Patient Needs

7. Other assignments (if applicable):

As determined by the Instructor

8. Face-to-Face Course Sections:

Face-to-face education is a mode of delivery in which instruction is delivered in a traditional classroom setting, with instructor and students located simultaneously in the same classroom facility.

a. Describe the methods of instruction.

1. Lecture
2. Demonstrations
3. Audio-visual
4. Handouts
5. Scenarios
6. Hands on Practice
7. Clinical Field Practical Experience

b. Describe the methods of evaluating of student performance.

1. Exams and Quizzes
2. Skills performance as evidenced by return demonstration
3. Direct Observation

c. Describe how the confidentiality of the student's work and grades will be maintained.

Instructors shall make reasonable efforts to protect the confidentiality of students' grades and graded work consistent with practices described in the Family Education Rights and Privacy Act (FERPA).

- d. **If the course has a lab component, describe how lab work is to be conducted and how student work is to be evaluated.**

Students enrolled in EMS 160 must demonstrate and perform the following for the instructor or lab assistant:

- a. Demonstrate Appropriate Triage
- b. Demonstrate Appropriate Safe Handling and Packaging of Patients
- c. Demonstrate Airway Assessment and Interventions
- d. Demonstrate and Verbalize Appropriate Scene-Size-Up
- e. Demonstrate Primary and Secondary Assessments
- f. Demonstrate Correct Administration of Medications
- g. Demonstrate and Verbalize Correct Recognition of Appropriate Medical Signs and Symptoms
- h. Demonstrate and Verbalize Appropriate Signs and Symptoms of Special Populations
 1. Trauma
 2. Obstetrics and Care of the Newborn
 3. Pediatrics
 4. Geriatrics
 5. Patients with Special Challenges

Note: Students will be encouraged by instructors of this course to direct themselves to the College's Disabled Students' Programs and Services (DSP&S) department if they believe they have a learning disability.

9. Correspondence Education Course Sections (correspondence, hybrid correspondence)

Correspondence education is a mode of delivery in which instructional materials are delivered by mail, courier or electronic transmission to students who are separated from the instructor by distance. Contact between instructor and student is asynchronous. **Hybrid correspondence education** is the combination of correspondence and face-to-face interaction between instructor and student.

N/A

- a. **Describe the methods of instruction.**
- b. **Describe the methods of evaluating student performance.**
- c. **Describe how regular, effective contact between the instructor and a student is maintained.**

(Note: Regular, effective contact includes, but is not limited to, exams; quizzes; essays; research papers; graded homework assignments; syllabus receipt; office hours; instant messaging; and synchronous online discussions, e-mails, letters, notes, phone calls, or postings on the Bridge between instructor and student.)

- d. **Describe procedures that help verify the individual submitting class work is the same individual enrolled in the course section.**

[Suggested response]: Consistent with policy elements listed in the ACCJC's "Policy on Distance Education and on Correspondence Education," the College verifies the identity of a student who participates in class or coursework by using, at the College's discretion, such methods as a secure log-in and password, proctored examinations, or other technologies or practices that are developed and effective in verifying each student's identification.

- e. **Describe procedures that evaluate the readiness of a student to succeed in a correspondence or hybrid correspondence course section.**

(The procedure might consist of a short assessment questionnaire prepared by the instructor and self-administered by the student. The questionnaire would evaluate areas such as working independently, adhering to timelines, and familiarity with working online and with

computer technology. The student would use the resulting score to evaluate his or her readiness to take the course in a correspondence or hybrid correspondence instructional mode.)

f. Describe how the confidentiality of the student's work and grades will be maintained.

[Suggested response] Instructors shall make reasonable efforts to protect the confidentiality of students' grades and graded work consistent with practices described in the Family Education Rights and Privacy Act (FERPA).

g. If the course has a lab component, describe how lab work is to be conducted and how student work is to be evaluated.

h. If the course requires specialized equipment, including computer and computer software or other equipment, identify the equipment, and describe how it is to be accessed by students.

Note: Students will be encouraged by instructors of this course to direct themselves to the College's Disabled Students' Programs and Services (DSP&S) department if they believe they have a learning disability.

10. Distance Education Course Sections (online, ITV, hybrid)

Online education is a mode of delivery in which all instruction occurs online via the Internet. Student and instructor access to email and the Internet is required. Students are required to complete class work using email, chat rooms, discussion boards and other instructional online venues.

Interactive television (ITV) is a mode of synchronous delivery in which instruction occurs via interactive television (closed circuit). **Hybrid** instruction is a combination of face-to-face instruction and online instruction.

a. Describe the methods of instruction.

1. Lecture
2. Demonstrations
3. Audio-visual
4. Handouts
5. Scenarios
6. Hands on Practice
7. Clinical Field Practical Experience

b. Describe the methods of evaluating student performance.

1. Exams and Quizzes
2. Skills performance as evidenced by return demonstration
3. Direct Observation

c. Describe how regular, effective contact between the instructor and a student is maintained.

Effective Contact is maintained by ITV connection and face to face contact with students during laboratory times on a weekly basis

d. Describe procedures that help verify the individual submitting class work is the same individual enrolled in the course section.

Class work will be submitted to the instructor at the scheduled laboratory times.

e. Describe procedures that evaluate the readiness of a student to succeed in an online, ITV or hybrid course section.

N/A

f. Describe how the confidentiality of the student's work and grades will be maintained.

Instructors shall make reasonable efforts to protect the confidentiality of students' grades and graded work consistent with practices described in the Family Education Rights and Privacy Act (FERPA).

g. If the course has a lab component, describe how lab work is to be conducted and how student work is to be evaluated.

Students enrolled In EMS 160 may receive theory via the ITV mode. All lab work will be supervised by the instructor during the laboratory component of the course.

Students enrolled in EMS 160 must demonstrate and perform the following for the instructor or lab assistant:

- i. Demonstrate Appropriate Triage
- j. Demonstrate Appropriate Safe Handling and Packaging of Patients
- k. Demonstrate Airway Assessment and Interventions
- l. Demonstrate and Verbalize Appropriate Scene-Size-Up
- m. Demonstrate Primary and Secondary Assessments
- n. Demonstrate Correct Administration of Medications
- o. Demonstrate and Verbalize Correct Recognition of Appropriate Medical Signs and Symptoms
- p. Demonstrate and Verbalize Appropriate Signs and Symptoms of Special Populations
 - 6. Trauma
 - 7. Obstetrics and Care of the Newborn
 - 8. Pediatrics
 - 9. Geriatrics
 - 10. Patients with Special Challenges

h. If the course requires specialized equipment, including computer and computer software or other equipment, identify the equipment, and describe how it is to be accessed by students.

The equipment needed for ITV delivery will be set up by IT department at both instructor and student site

Note: Students will be encouraged by instructors of this course to direct themselves to the College's Disabled Students' Programs and Services (DSP&S) department if they believe they have a learning disability.

Curriculum Committee approved template 11/8/12

REPRESENTATIVE TEXTBOOKS AND OTHER READING AND STUDY MATERIALS:

List author, title, and current publication date of all representative materials.

Brady's Pre-Hospital Emergency Care by Mistovich, Haffen, and Karren, latest edition

Brady's Pre-Hospital Emergency Care Workbook by Mistovich, Haffen, and Karren, latest edition

SIGNATURES:

COURSE INITIATOR: _____ DATE: _____

LIBRARY: _____ DATE: _____

CHAIR OF CURRICULUM COMMITTEE: _____ DATE: _____

SUPERINTENDENT/PRESIDENT: _____ DATE: _____