

Course Outline of Record

Los Medanos College

2700 East Leland Road

Pittsburg CA 94565

Course Title: Healthcare Provider CPR

Subject Area/Course Number: EMS-014

New Course OR Existing Course

Author(s): German Sierra, Gretchen Medel

Subject Area/Course No.: EMS-014

Units: .3

Course Title: Healthcare Provider CPR

Discipline(s): Fire Technology, Emergency Medical Technology

Pre-Requisite(s): None

Co-Requisite(s): None

Advisories: None

Catalog Description:

Basic skills and knowledge necessary to maintain oxygenation and blood circulation in a victim of cardiac arrest. Successful completion qualifies the student for certification as a Healthcare Provider by the American Heart Association 2015 guidelines. EMS-014 is intended for individuals whose primary responsibility is providing patient care such as Doctors, Nurses, Paramedics, EMTs, Firefighters and other allied health personnel.

Schedule Description:

Are you ready to perform cardio-pulmonary resuscitation (CPR)? You never know when you will need to perform Cardiopulmonary resuscitation (CPR) on an adult, child, or infant. This course will assist you to help the person who shows signs of a heart attack, a stroke, or choking. Each student will receive an American Heart Association BLS (Basic Life Support) CPR card upon successful completion of this course. Please note this course meets the prerequisite for EMS-010 / EMT Academy.

This course has the following mandatory lab fees: \$4.00 for your BLS E-Card and \$12-\$15 dollars for your PPE/Personal Protective Equipment required to participate on this course. This PPE includes a face mask, one way valve, gloves and a carrying pouch.

Hrs/Mode of Instruction: Lecture: 4 Scheduled Lab: 4 HBA Lab: ____ Composition: ____ Activity: ____ Total Hours 8

Credit Credit Degree Applicable (DA)
 Credit Non-Degree (NDA)

Grading Pass/No Pass (P/NP)
 Letter (LR)
 Student Choice (SC)

Repeatability 0
 1
 2
 3

Last date of Assessment: November 2017

Cohort #: 2

Please apply for:

LMC General Education Requirement(s): None

Transfer to: CSU UC IGETC Area ____ CSU GE Area ____ C-ID Number ____

Course is Baccalaureate Level: Yes No

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Signatures:

Department Chair _____ Date _____
Librarian _____ Date _____
Dean (Technical Review) _____ Date _____
Curriculum Committee Chair _____ Date _____
President/Designee _____ Date _____
CCCCD Approval Date (Board or Chancellor's Office) _____ Date _____

STAND ALONE COURSE: YES NO

Course approved by Curriculum Committee as Baccalaureate Level: YES NO

LMC GE Requirement Approved by the Curriculum Committee: _____

FOR OFFICE OF INSTRUCTION ONLY. DO NOT WRITE IN THE SECTION BELOW.

Begin in Semester _____ Catalog year 20____/20____ Class Max: 18 _____
Dept. Code/Name: _____ T.O.P.s Code: _____ Crossover course 1/ 2: _____
ESL Class: Yes / No _____ DSPS Class: Yes / No _____ Coop Work Exp: Yes / No _____

- Class Code A Liberal Arts & Sciences SAM Code A Apprenticeship Remediation Level B Basic Skills
 B Developmental Preparatory B Advanced Occupational NBS Not Basic Skills
 C Adult/Secondary Basic Education C Clearly Occupational
 D Personal Development/Survival D Possibly Occupational
 E For Substantially Handicapped E* Non-Occupational
 F Parenting/Family Support
 G Community/Civic Development *Additional criteria needed
 H General and Cultural 1 One level below transfer
 I Career/Technical Education 2 Two levels below transfer
 J Workforce Preparation Enhanced 3 Three levels below transfer
 K Other non-credit enhanced
 Not eligible for enhanced

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Institutional Student Learning Outcomes:



General Education SLOs:

At the completion of the LMC general education program, a student will:

1. Read critically and communicate effectively as a writer and speaker.
2. Understand connections among disciplines and apply interdisciplinary approaches to problem solving.
3. think critically and creatively
4. Consider the ethical implications inherent in knowledge, decision-making and action.
5. Possess a worldview informed by diverse social, multicultural and global perspectives.



None

Program-Level Student Learning Outcomes (PSLOs): N/A

Course-Level Student Learning Outcomes (CSLOs):

At the end of the course, the student will be able to:

1. Identify the signs and symptoms associated with the major cardiac emergencies in adults as outline by the American Heart Association BLS 2015 guidelines.
2. Perform one person and two person CPR on adult, child and infant following the guidelines of the American Heart Association.
3. Identify the signs of a foreign body airway obstruction and determine proper action for the responsive and unresponsive adult, child, and infant.

Assessment Instruments:

CSLO #1 Assessment: Written exam

This examination allows students to demonstrate that they can compare and contrast the signs and symptoms associated with the major cardiac emergencies in adults and appropriately identify the common signs and symptoms related to each adult cardiac emergency.

CSLO #2 Assessment: CPR performance testing

This assessment allows students to demonstrate CPR using the American Heart Association guidelines of compression and ventilation ratios, and timing for the adult, child and infant that includes:

- One-person rescue
- Two-person rescue

CSLO #3 Assessment: Performance of the abdominal thrust maneuver

This assessment allows students to demonstrate the appropriate technique for removal of foreign body airway obstruction for the adult, child and infant that includes proper hand placement and timing of the procedure.

Method of Evaluation/Grading:

RNURS-014 is a credit/no credit course. Students who receive an overall score of 84% on the written exam and demonstrate proper CPR performance will be given credit.

1. Satisfactory completion of all skills performance as identified by the American Heart Association guidelines for the adult, child and infant as outline by the 2015 guidelines.

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2. Achieving 84% or higher on the national CPR Healthcare Provider test produced by the American Heart Association.

Course Content:

I. Why CPR. Life that's why !

- a. Assessing unresponsiveness.
- b. Early access in the AHA Chain of Survival.
- c. Signs of the major emergencies in an adult.
- d. Strategies to prevent sudden infant death syndrome in infants and injuries in children.

II. Demonstrate ABC's Single Rescue-Adult Victim.

- a. Assess unresponsiveness-Activate the appropriate emergency response system (phone 911 or other response system)
- b. Open the airway (Heard tilt chin lift, unless injury suspected). Jaw Thrust for injuries.
- c. Assess breathing-Begin Rescue Breathing.
- d. Assess Circulation-Begin Compressions

III. Adult Two Rescue CPR Technique.

- a. Ventilation-Mouth to mask, or Bag-Mask
- b. Compressions
- c. Teamwork Necessary (i.e. Compression must be stopped to allow for ventilations)

IV. Adult Foreign Body Airway Obstruction

- a. Recognition and Assessment
- b. Management of Responsive Adult Choking Victim.
- c. Management of an Unresponsive Victim.

V. Using an AED device.

- a. Assess the need for an AED.
- b. Apply and use an AED. (Group participation).

VI. Pediatric CPR.

- a. Risk factors-Prevention
- b. One man Child and Infant CPR.
- c. Two staff Child and Infant CPR.
- d. Use of an Ambu Bag on Child and Infant

VII. Pediatric Obstructed Airway Management

- a. Child and Infant Responsive Airway Obstruction.
- b. Child and Infant Unresponsive Airway Obstruction

VIII. Ambu Bag

- a. Assess and use Ambu Bag on an adult.
- b. Proper use of a barrier device on an Adult Victim

IX. Testing

Lab By Arrangement Activities (If Applicable): N/A

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Instructional Methods:

- Lecture
- Lab
- Activity
- Problem-based Learning/Case Studies
- Collaborative Learning/Peer Review
- Demonstration/Modeling
- Role-Playing
- Discussion
- Computer Assisted Instruction
- Other (explain) _____

1. Lecture
2. Video based instruction
3. CPR skills practice on the adult manikin
 - a. One-person resuscitation
 - b. Two-person resuscitation
4. Demonstration and CPR skills practice on the child manikin
 - a. One-person resuscitation
 - b. Two-person resuscitation
5. Demonstration and CPR skills practice on the infant manikin
 - a. One-person resuscitation
 - b. Two-person resuscitation
6. Demonstration and CPR skills practice on the adult manikin
 - a. One-person resuscitation
 - b. Two-person resuscitation
7. Demonstration and practice removal of a foreign body airway obstruction in the
 - a. Adult
 - b. Child
 - c. Infant

Textbooks:

Healthcare Provider Text, American Heart Association,
2015 Edition either hard copy or E-text as permitted by the American Heart Association.
ISBN-13: 978-1616693978
ISBN-10: 1616693975
Or Etext