Porterville College

Course Outline of Record Report

05/05/2025

EMTCP050 : Emergency Medical Technician - Basic

General Information

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Attachments:	EMTC P050 Multiple Disciplines Process (2).pdf Minimum Qualifications - EMT.docx Health Careers Program Review 2022-23.pdf EMT-2021 _Course Unit Value Contact Hour Justification Form (December 2020)r.rtf Content Review Worksheet EMT 2021.docx EMT Chapter-2-Effective-July-1-2017corrected.pdf
Course Code (CB01) :	EMTCP050
Course Title (CB02) :	Emergency Medical Technician - Basic
Department:	Emergency Medical Technology
Proposal Start:	Summer 2025
TOP Code (CB03) :	(1250.00) Emergency Medical Services
SAM Code (CB09) :	Clearly Occupational
Distance Education Approved:	Yes
Course Control Number (CB00) :	CCC000556784
Curriculum Committee Approval Date:	04/12/2022
Board of Trustees Approval Date:	05/05/2022
External Review Approval Date:	06/16/2021
Course Description:	Prerequisite: California Code of Regulations Title 22 requires that students be 18 years of age before they can be certified. Current American Heart Association Basic Life Support Provider certification. Total lecture 144 , total laboratory 27 hours. This course provides instruction in pre-hospital techniques in the evaluation and emergency medical care through the recognition of signs and symptoms of illnesses and injuries. The course also includes instruction in the care rendered on scene and during transportation by EMT personnel. A requirement for ambulance personnel and appropriate for many first responders such as law enforcement and fire personnel. The content of the course meets the objectives contained in the U.S. Department of Transportation (DOT) National EMS Education Standards. The student must meet Health Careers Division health requirements and criminal history background clearance to participate in the laboratory section of the course. Any expenses involved in meeting the health requirements and background clearance are the student's expense. To be eligible for State of California certification, an individual shall have a valid EMT course completion record, be 18 years of age, complete the criminal history background check requirement, and pass the National Registry EMT certification examination (California Code of regulations Title 22, Division 9 Prehospital Emergency Medical Services, Chapter 2 Emergency Medical Technician). (A)
Submission Rationale:	Mandatory Revision 4-year mandatory revision Added Minimum qualification for EMT instructor as an attachment file - cover info. Added Emergency Medical Technologies as an additional Bachelors or Associate discipline preferred to Faculty Requirements. Comment: TExtbook is most current edition
Author:	No value

Faculty Requirements

Master Discipline Preferred: No value

Alternate Master Discipline Preferred: No value

Bachelors or Associates Discipline Preferred:

- Emergency Medical Technologies
- Nursing

Additional Bachelors or Associates Discipline Preferred: No value

Course Development Options

Basic Skill Status (CB08)

Course is not a basic skills course.

Allow Students to Gain Credit by Exam/Challenge

Rationale For Credit By Exam/Challenge

No value

Course Special Class Status (CB13)

Course is not a special class.

Allowed Number of Retakes

0

Retake Policy Description

Type:|Non-Repeatable Credit

Grade Options

- Letter Grade Methods

Course Prior To College Level (CB21)

Not applicable.

Allow Students To Audit Course

Course Support Course Status (CB26)

Course is not a support course

Associated Programs

Course is part of a program (CB24)

Associated Program	Award Type	Active
EMT-Basic (JSC)	Job Skills Certificate	Summer 2023
Fire Technology Structural Firefighter (COA)	Certificate of Achievement	Summer 2021

Transferability & Gen. Ed. Options

Course General Education Status (CB25)

Y

Transferability (CB05)

Transferability Status

Not transferable	Not transferable

Units and Hours

Summary

Minimum Credit Units (CB07)	8.5
Maximum Credit Units (CB06)	8.5
Total Course In-Class (Contact) Hours	171
Total Course Out-of-Class Hours	288
Total Student Learning Hours	459
Faculty Load	0

Credit / Non-Credit Options

Course Credit Status (CB04)

Credit - Degree Applicable

Course Non Credit Category (CB22)

Credit Course.

Non-Credit Characteristic

No Value

Course Classification Code (CB11)

Credit Course.

Funding Agency Category (CB23)

Not Applicable.

☐ Cooperative Work Experience Education Status (CB10)

☐ Variable Credit Course

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	8	16
Laboratory Hours	1.5	0
Activity Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	
Lecture	144
Laboratory	27
Activity	0
Total	171
Course Out-of-Class Hours	
Lecture	288
Laboratory	0
Activity	0
Total	288

Time Commitment Notes for Students

No value

Faculty Load

Extra Duties: 0

Faculty Load: 0

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

Pre-requisites, Co-requisites, Anti-requisites and Advisories

No Value

Entrance Skills

Entrance Skills	Description
No value	No value

Limitations on Enrollment

Limitations on Enrollment	Description
California Code of Regulations Title 22 requires that students be 18 years of age before they can be certified. Current American Heart Association Basic Life Support Provider.	No Value

Specifications

Methods of Instruction

Methods of Instruction	Lecture
Rationale	Not applicable

Methods of Instruction	Skills Demonstrations
Rationale	Not applicable

Methods of Instruction	Laboratory
Rationale	Minimum 24 hours of field observations and 10 patient contacts per Title 22.

Methods of Instruction	Other
Rationale	Other Methods: Guest SpeakersOther Methods: Guest SpeakersDiscussion

Methods of Instruction	Class Activities
Rationale	Not applicable

Methods of Instruction	Small Group Activities
Rationale	Not applicable

Assignments

- **Outside of class, read the assigned chapters and answer all review questions at the end of each chapter, view online videos, complete course workbook assignments.**

Methods of Evaluation	Rationale
Skill demonstration	Not applicable
Short-answer tests	Not applicable
Objective tests	Not applicable
Other	Other (specify): Practical exercises using all prehospital associated equipment.

Equipment

No Value

Textbooks

Author	Title	Publisher	Date	ISBN
Daniel L., O'Keefe M.F., & Dickinson E.T.	Emergency Care	MyLab Brady with Pearson	2021	9780135479148

Other Instructional Materials

No Value

Materials Fee

No

Learning Outcomes

Course Objectives

1a. Discuss the Emergency Medical System, safety/well-being of the Emergency Medical Technician, medical/legal and ethical issues to the provision of emergency care.

1b. Use foundational anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals.

1c. Discuss operational roles and responsibilities to ensure safe patient, public, and personnel safety.

2a. Describe anatomy and function of all human systems to the practice of Emergency Medical Services.

2b. Relate the pathophysiology of respiration and perfusion to patient assessment and management.

2c. Relate anatomy and physiology to patient assessment and management in order to assure a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.

2d. Relate causes, pathophysiology, and management of shock, respiratory failure or arrest, cardiac failure or arrest, and post resuscitation management.

3a. Apply concepts of life span development to patient assessment and management.

3b. Use basic principles of illness and injury prevention in emergency care.

3c. Discuss medications that the Emergency Medical Technician may assist/administer to a patient during an emergency.

3d. Apply scene information and patient assessment findings to guide emergency management.

3e. Provide basic emergency care and transportation based on assessment findings for an acutely ill patient.

3f. Apply concepts of growth, development, and aging and assessment findings to provide basic emergency care and transportation for a patient with special needs.

CSLOs

1. Explain the role and responsibilities of the Emergency Medical Technician-Basic. Expected SLO Performance: 100.0

2. Apply basic human anatomy and physiology, pathophysiology of common diseases and disorders to assessment and management of patients needing basic emergency care across the lifespan. Expected SLO Performance: 100.0

3. Apply proper assessment and basic emergency management for the acutely ill and the acutely injured patient across the lifespan. Expected SLO Performance: 100.0

Outline

Course Outline

EMT Course Content Outline

- I. Preparatory
  - A. Emergency Medical Systems
  - B. Research
  - C. Workforce Safety and Wellness
  - D. Documentation
  - E. EMS System Communication
  - F. Therapeutic Communication
  - G. Medical/Legal and Ethics
- II. Anatomy and Physiology
- III. Medical Terminology
- IV. Pathophysiology
- V. Life Span Development
- VI. Public Health
- VII. Pharmacology
  - A. Principles of Pharmacology
  - B. Medication Administration
  - C. Emergency Medications
- VIII. Airway Management, Respiration and Artificial Ventilation
  - A. Airway Management
  - B. Respiration
  - C. Artificial Ventilation
- IX. Assessment
  - A. Scene Size-Up
  - B. Primary Assessment
  - C. History-Taking
  - D. Secondary Assessment
  - E. Monitoring Devices
  - F. Reassessment
- X. Medicine
  - A. Medical Overview
  - B. Neurology
  - C. Abdominal and Gastrointestinal Disorders
  - D. Immunology
  - E. Infectious Disease
  - F. Endocrine Disorders
  - G. Psychiatric
  - H. Cardiovascular

- I. Toxicology
- J. Respiratory
- K. Hematology
- L. Genitourinary/Renal
- M. Gynecology
- N. Non-Traumatic Musculoskeletal Disorders
- O. Diseases of the Eyes, Ears, Nose, and Throat

XI. Shock and Resuscitation

XII. Trauma

- A. Trauma Overview
- B. Bleeding
- C. Chest Trauma
- D. Abdominal and Genitourinary Trauma
- E. Orthopedic Trauma
- F. Soft Tissue Trauma
- G. Head, Facial, Neck, and Spine Trauma
- H. Nervous System Trauma
- I. Special Considerations in Trauma
- J. Environmental Emergencies
- K. Multi-System Trauma

XIII. Special Patient Populations

- A. Obstetrics
- B. Neonatal Care
- C. Pediatrics
- D. Geriatrics
- E. Patients with Special Challenges

XIV. Emergency Medical Services Operations

- A. Principles of safely Operating a Ground Ambulance
- B. Incident Management
- C. Multiple Casualty Incidents
- D. Air Medical
- E. Vehicle Extrication
- F. Hazardous Materials Awareness
- G. Mass Casualty Incidents due to Terrorism and Disaster

XV. Hemostatic Dressing

- A. Methods of Bleeding Control
- B. Treatment of Chest Wall Injuries

XVI. Naloxone

- A. Common causative agents
- B. Assessment findings
- C. Management
- D. Profile of Naloxone
    1. Indications
    2. Contraindications
    3. Side/Adverse Effects
    4. Routes of Administration
    5. Dosages
    6. Mechanisms of Drug Action
    7. Calculating Drug Dosages.
    8. Medical Asepsis
    9. Disposal of Contaminated Items and Sharps
    10. Medication Administration

XVII. Epinephrine

- A. Indications
- B. Contraindications
- C. Side/Adverse Effects
- D. Mechanisms of Drug Action
- E. Administration of Auto-Injector
- F. Medical Asepsis
- G. Disposal of Contaminated Items and Sharps

XVIII. Finger Stick Blood Glucose

- A. Blood Glucose Administration
- B. Indications
- C. Procedure for Use of Finger Stick Blood Glucometer.

D. Disposal of Sharps
E. Limitations
F. Interpretation of Results
G. Patient Assessment
H. Managing a Patient Before and After Finger Stick Glucose Testing

XIX. Tactical Casualty Care
A. History and Background of Tactical Casualty Care
B. Terminology and Definitions
C. Coordination Command and Control
D. Tactical and Rescue Operations
E. Basic Tactical Causality Care and Evacuation
F. Threat Assessment

Lab Outline

The focus of the EMT Basic laboratory component is the integration and transfer of didactic knowledge to the prehospital setting. The student is provided an opportunity to learn and practice EMT-Basic skills and techniques in an approved clinical facility; ambulance provider; and/or clinical experience. The clinical experiences emphasize patient contacts wherein patient assessment and other EMT Basic skills are performed and evaluated.