Degree Applicable

Glendale Community College
Fall 2005
November 2009

COURSE OUTLINE

Emergency Medical Technician 139
Introduction to Emergency Medical Services

I. Catalog Statement

Emergency Medical Technician 139 introduces foundational concepts related to the emergency medical care of sick and injured persons. This course is designed for students interested in pursuing emergency medical services or other healthcare occupations as a career. Topics also include the framework of emergency medical services as well as the unique challenges of ethical dilemmas and stress management in the emergency setting. Successful completion of the class includes certification in cardiopulmonary resuscitation (CPR) for healthcare providers from the American Heart Association (AHA).

Units – 2.0
Lecture Hours – 2.0

Recommended Preparation: Biology 115 and English 120 or ESL 151.

II. Course Entry Expectations

Skills Level Ranges: Reading 5; Writing 5; Listening/Speaking 5; Math 1.

III. Course Exit Standards

Upon successful completion of the required coursework, the student will be able to:

1. discuss the structure and significance of the Emergency Medical Services (EMS) system;
2. explain the ethical responsibilities of healthcare providers;
3. describe the structure and general functions of various body systems;
4. identify the signs and symptoms of common medical emergencies related to various body systems;
5. describe the signs and symptoms of common communicable diseases encountered in various emergency settings;
6. demonstrate the appropriate techniques for using personal protective equipment to reduce the risk for acquiring a communicable disease;
7. discuss the various emotional reactions an EMS provider may encounter during the care of sick or injured persons;
8. demonstrate the various techniques of resuscitation for the neonate, infant, child, and adult.

IV. Course Content

A. General introduction to Emergency Medical Services (EMS) 1 hours

1. Overview of course
2. The EMS System
3. Roles of EMS providers
4. Historical perspectives

B. Healthcare Ethics 4 hours
1. Discussion of applicable terminology
2. Legal framework of prehospital practice
3. Scenario-based situational discussion

C. Well-Being of Healthcare Providers 3 hours
1. Patient responses to stressful situations
2. Identification of patient stress and management of assaultive behavior
3. Identification and management of EMS job-related stress

D. Orientation to Human Body for the Emergency Medical Technician 12 hours
1. Surface anatomy
2. Body systems
3. Gross musculoskeletal anatomy
4. Overview anatomy and physiology of cardiovascular, respiratory, and nervous systems

E. Communicable Diseases 4 hours
1. Bacterial and viral pathogens common in the prehospital setting
2. Signs and symptoms of common communicable diseases
3. Protection from transmission of communicable disease

F. Cardiopulmonary Resuscitation 8 hours
1. Management of neonatal, pediatric, and adult cardiac and respiratory emergencies
2. Utilization of various barrier devices

V. Methods of Presentation

The following instructional methodologies may be used in the course:
1. lecture;
2. multimedia presentations;
3. group discussions;
4. scenario-based practical and theory skill applications;
5. demonstration of program equipment.

VI. Assignments and Methods of Evaluation

1. Completion of skills for AHA CPR certification
2. Practical skill demonstration sessions
3. Quizzes, midterm and final examination

VII. Textbooks

Mistovich, J., et al, Prehospital Emergency Care. Current Edition.
Upper Saddle River, NJ: Pearson/Prentice Hall, 2004.
11th Grade Textbook Reading Level. ISBN: 0-13-049288-4.

Mistovich, J., et al, Workbook Prehospital Emergency Care. Current Edition
Upper Saddle River, NJ: Pearson/Prentace Hall, 2008. ISBN: 0-13-174159-4

Mistovich, J., Kuvlesky. E., SUCCESS! for the EMT-Basic, Current Edition
Upper Saddle River, NJ: Pearson/Prentace Hall, 2008 ISBN-10: 0132253968

American Heart Association, BLS for Healthcare Providers. Current Edition
Channing Bete Company, One Community Place, South Deerfield, MA ,
ISBN 0-87493-461-3

VIII. Student Learning Outcomes

1. Describe the Emergency Medical Services (EMS) Systems and differentiate the roles and responsibilities of the EMT –Basic from other prehospital care providers using the California specific statutes and regulations.
2. Recognize the emotional, physical, pathological hazards of the EMT – Basic's working environment.
3. Will be able to identify, discuss, and define medical legal conditions that apply to the EMT – Basic working environment.
4. Apply the anatomy and physiology of the following major body systems: respiratory, circulatory, musculoskeletal, nervous, and endocrine to situational pathophysiology of sick and injured.
5. Assess and identify adult, children, infants, and neonates in respiratory and cardiac inadequacies and perform the appropriate assistive treatments according to the American Heart Association Health Care Provider Standards.