Department:

Health Sciences

Course Description:

This course is designed to provide training for giving medical care to patients in the pre-hospital setting. The course will offer instruction and practical experience for students to develop the knowledge, skills, and attitudes needed for certification and practice as an Emergency Medical Technician-Basic (EMT-B) in Kansas.

Course Competencies:

Upon completion of the course, the student should be able to:

1. Use an assessment-based format for all situations and all ages in order to recognize the nature and seriousness of the patient's condition or extent of injuries and provide emergency care.
2. Use knowledge of human anatomy and physiology to explain the rationale and fundamentals of pre-hospital care and treatment of the sick and injured.
3. Demonstrate an acceptable level of skill in initial assessment and use of the Airway-Breathing-Circulation (ABC) approach.
4. Perform a complete focused and detailed assessment.
5. Provide appropriate Basic Life Support (BLS) care for both life-threatening and non-life-threatening emergencies.
6. Demonstrate correct application and use of BLS equipment in the pre-hospital setting.
7. Lift, move, position, and otherwise handle the patient to minimize discomfort and prevent further injury.
8. Complete a written record of events for the use of the receiving hospital as well as a permanent record for local use (written run report).
9. Use mobile radio equipment to transmit necessary information in a clear, orderly manner from the scene or ambulance to the receiving facility.
10. Explain the rationale and procedure for personal and patient safety and care at the scene and throughout transport to a receiving facility.
11. Explain the rationale and procedure for infection control during and after any contact with a patient.

Course Content:

A. Introduction to Emergency Medical Services (EMS) System
B. Well-being of the EMT-B
C. Medical and Legal Issues
D. The Human Body
E. Initial and Ongoing Patient Assessment
F. Lifting and Moving Patients  
G. Airway Management  
H. Cardiopulmonary Resuscitation (CPR) and Automated External Defibrillator (AED)  
I. Communication and Documentation  
J. General Pharmacology  
K. Respiratory and Cardiac Emergencies  
L. Diabetic Emergencies and Altered Mental Status  
M. Acute Stroke, Seizures, Syncope, Allergic Reactions, Abdominal Pain  
N. Poisoning and Overdose Emergencies  
O. Behavioral and Environmental Emergencies  
P. Geriatric Assessment  
Q. Mechanisms of Injury, Musculoskeletal Injuries, Bleeding, Shock  
R. Soft Tissue, Chest, Abdominal, and Genital Injuries  
S. Head and Spine Injuries  
T. Fracture Management  
U. Agricultural and Industrial Emergencies  
V. Childbirth and Gynecological Emergencies  
W. Pediatrics  
X. Ambulance Operations, Gaining Access, Rescue Operations, Extrication  
Y. Hazardous Materials, Multiple Casualty Incidents, Triage  
Z. EMS Response to Weapons of Mass Destruction

Learning Assessments:

Course competencies will be assessed by written homework assignments, written examinations, laboratory skills scenarios, practical skills exams, and clinical performance.

Instructional Materials:

PreHospital Emergency Care, Mistovich, Hafen, Karren, 9th Ed., Prentice Hall, 2009  
Basic Life Support for Healthcare Providers, American Heart Association  
EMT-Basic, National Standard Curriculum  
Additional resources determined by the instructor

Guidelines for Requesting Accommodations Based on Documented Disability or Medical Condition

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.

Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to
receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

In order to begin the process all students must complete the “Disabilities Self-Identification Form” at this link: https://highlandcc.edu/pages/disability-services.

This form can also be accessed at the Highland Community College homepage under Students Services/Student Resources/Disability Service or by contacting the Disabilities Coordinator.