BASIC MEDICAL EMERGENCIES
Course Syllabus

Course Number: EMTB-A0155
OCAS Code: None
Course Length: 42 Hours
Career Cluster: Health Science
Career Pathway: Therapeutic Service
Career Major(s): Emergency Medical Technician

Pre-requisite(s):

Course Description: This course provides the student with fundamental understanding and management of common medical emergencies based on assessment findings.


Course Objectives:

A. Medical Overview
   EMR Material PLUS: Simple depth, foundational breadth Pathophysiology, assessment, and management of a medical complaints to include
   1. Transport mode
   2. Destination decisions

B. Neurology
   EMR Material PLUS: Fundamental depth, foundational breadth Anatomy, physiology, pathophysiology, assessment and management of
   1. Stroke/ transient ischemic attack
   2. Seizure
   3. Status epilepticus
   4. Headache

C. Abdominal and Intestinal Disorders
   EMR Material PLUS: Fundamental depth, foundational breadth Anatomy, physiology, pathophysiology, assessment, and management of
   1. Acute and chronic gastrointestinal hemorrhage Simple depth, simple breadth
   2. Peritonitis
   3. Ulcerative diseases

D. Immunology
   EMR Material PLUS: Fundamental depth, foundational breadth Anatomy, physiology, pathophysiology, assessment, and management of hypersensitivity disorders and/or emergencies
   1. Anaphylactic reactions

E. Infectious Diseases
   EMR Material PLUS: Simple depth, simple breadth Assessment and management
A patient who may have an infectious disease
2. How to decontaminate the ambulance and equipment after treating a patient

F. Endocrine disorders
EMR Material PLUS: Fundamental depth, foundational breadth Anatomy, physiology, pathophysiology, assessment and management of
1. Acute diabetic emergencies

G. Psychiatric
EMR Material PLUS: Simple depth, simple breadth • Basic principles of the mental health system Fundamental depth, foundational breadth Assessment and management of
1. Acute psychosis
2. Suicidal/risk
3. Agitated delirium

H. Cardiovascular
EMR Material PLUS: Anatomy, physiology, pathophysiology, assessment, and management of Fundamental depth, foundational breadth
1. Acute coronary syndrome
   a. Angina pectoris
   b. Myocardial infarction
2. Aortic aneurysm/dissection
3. Thromboembolism Simple depth, simple breadth
4. Heart failure
5. Hypertensive emergencies

I. Toxicology
EMR Material PLUS: Fundamental depth, foundational breadth Anatomy, physiology, pathophysiology, assessment, and management of
1. Inhaled poisons
2. Ingested poisons
3. Injected poisons
4. Absorbed poisons
5. Alcohol intoxication

J. Respiratory
EMR Material PLUS: Fundamental depth, foundational breadth Anatomy, physiology, pathophysiology, assessment, and management of
1. Inhaled poisons
2. Ingested poisons
3. Injected poisons
4. Absorbed poisons
5. Alcohol intoxication

K. Genitourinary/Renal
EMR Material PLUS: Simple depth, simple breadth Anatomy, physiology, pathophysiology, assessment, and management of
1. Complications related to
   a. Renal dialysis
b. Urinary catheter management (not insertion)

2. Kidney stones

L. Gynecology
EMR Material Plus: Anatomy, physiology, assessment findings, and management of Fundamental depth, foundational breadth
1. Vaginal bleeding
2. Sexual assault (to include appropriate emotional support) Simple depth, simple breadth
3. Infections

M. Non-Traumatic Musculoskeletal Disorders
Fundamental depth, foundational breadth Anatomy, physiology, pathophysiology, assessment and management of
1. Non-traumatic fractures

N. Diseases of the eyes, Ears, Nose and Throat
Simple depth, simple breadth in the recognition and management of nose bleed
Same as Previous Level

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Grading Procedures: 1. Students are graded on theory and lab practice and performance.
2. Students are only eligible to test for their license with an 80% or better GPA
3. Each course must be passed with seventy (70%) percent or better.
4. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.
5. Career Major grades established during coursework are a major criteria in successfully obtaining certification.

Description of Classroom, Laboratories, and Equipment: Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit: The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility: The student must maintain a grade point average of 2.0 or better.