

Common Course Outline
EMST 210
EMT INTERMEDIATE FOUNDATIONS
2 Credits

The Community College of Baltimore County

Description

EMT Intermediate Foundations

Introduces principles and practices of patient assessment, advanced airway management and ventilation, intravenous access, pharmacology, and medication administration; discusses medicolegal considerations of advanced prehospital care and human systems. Prerequisites: EMST 105, EMST 110.

Overall Course Objectives

Upon completion of this course the student will be able to:

1. Define the functions of prefixes, suffixes, and root words as they pertain to medical terminology.
2. Apply and interpret medical terminology based upon the understanding of a given list of prefixes, suffixes, and root words.
3. Appropriately document information using accepted medical abbreviations.
4. Document with the metric system, using the current notation and units for a given measurement.
5. Discuss the importance of human anatomy and physiology as it relates to the paramedic profession.
6. Discuss the functions of the following cellular structures: the cytoplasmic membrane, the cytoplasm (and its organelles), and the nucleus.
7. For each of the eleven major body systems, and for the special senses, of the human body, label a diagram of anatomical structures, list the functions, and explain how the organs and senses of the system interrelate to perform the specific functions of the system.
8. Explain the purpose of the primary and secondary assessments.

9. Differentiate between the resuscitation procedures for medical and trauma patients.
10. Describe the examination techniques for inspection, palpation, and auscultation.
11. Apply effective patient-interviewing techniques to given scenarios.
12. Describe the function and location of the anatomical structures of the upper and lower airways.
13. Explain the mechanisms of respiration.
14. Describe the pulmonary circulation.
15. Discuss the assessment and management of medical or trauma obstruction of the airway.
16. Describe the use of manual airway maneuvers and mechanical airway adjuncts based on knowledge of their indications, contraindications, potential complications, and techniques.
17. List five sources of drugs.
18. Identify the four different types of drug names.
19. Outline drug standards and legislation pertinent to the paramedic.
20. Distinguish among drug forms.
21. Discuss factors that influence drug absorption, distribution, and elimination.
22. Outline assessment techniques performed and documented to evaluate the effectiveness of drug therapy.
23. Calculate and correctly measure or infuse the correct volume of drug to be administered for a given situation.
24. Describe steps for administering safe administration of drugs.
25. Explain techniques of drug administration by enteral and parenteral routes.
26. Identify special considerations for administering pharmacological agents to pediatric and geriatric patients.
27. List the class, actions, onset, duration, indications, contraindications, adverse reactions, drug interactions, dosage, route of administration, and

special considerations for the drugs listed in the Basic and Advanced Life Support Pharmacology sections of the Maryland Medical Protocols for Emergency Medical Services Providers.

Major Topics

Medical Terminology and the Metric System
Overview of Human Systems
Airway and Ventilation
Emergency Pharmacology

Course Requirements

Students registered for EMST 210 must maintain advanced life support affiliation with a Maryland volunteer, career, or commercial ambulance company at all times while enrolled in the CCBC Essex EMT Program.

Mastery level for all written examinations is 75%.

Other Course Information

This course is offered during the Fall only.

Successful completion of this course, in combination with EMST 105, 110, 211, 212, 213, 214, and 215 are required for the student to be eligible to sit for the National Registry of EMT's Intermediate and/or the Maryland Cardiac Rescue Technician examination.