

Common Course Outline
EMST 210
Paramedic Foundations I
3 Semester Hours

The Community College of Baltimore County

Description

EMST 210 – 3 credits- Paramedic Foundations I introduces the Paramedic student to the background knowledge that will enhance their understanding of the roles and responsibilities of performing as a professional Paramedic, as well as prepare them for the intense nature of the academic preparation required leading to national certification and Maryland licensure.

Prerequisites: Program admission, current EMT-B certification and approved Maryland EMS Affiliation

Overall Course Objectives

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

1. describe:
 - a. the key historical events that have shaped the development of the emergency medical services (EMS) system in the United States and the state of Maryland;
 - b. the process of evaluating and interpreting research;
 - c. the relationship between EMS and public health;
 - d. Paramedic's roles and responsibilities associated with administering medications; and
 - e. hematological components of the body and their impact on metabolism and respirations;
2. discuss:
 - a. the differences between the 9-1-1 and non-9-1-1 EMS access systems, including the features and benefits of the 9-1-1 system;
 - b. the purpose and importance of medical direction/oversight, research, quality assurance and quality improvement in an EMS system;
 - c. the steps and limitations of evidence based decision making;
 - d. factors that enhance or interfere with effective communication; and
 - e. lifespan development and how each developmental period affect communication and patient assessment;
3. compare and contrast the scopes of practice of the following levels of EMS providers, including: Emergency Medical Responder (EMR); Emergency Medical Technician (EMT); Advanced Emergency Medical Technician (AEMT) and Paramedic.
4. explain the importance of understanding the health care resources available in different community settings;

5. give examples of how Paramedics can carry out each of their roles, professional attributes and responsibilities;
6. give examples of and describe methods to mitigate stress, communicable disease and injury in EMS;
7. define the legal scope of responsibility of the Paramedic and give examples of legal governing concepts;
8. illustrate the important concepts of a patient care report by creating concise, complete, legally sound reports and refusal declarations;
9. list the medications in the Maryland Paramedic's scope of practice and describe their proper usage;
10. ascertain between patients who present as 'not sick', 'sick' and 'not yet sick';
11. discriminate between the point at which a Paramedic has gathered enough information about the patient and begins the treatment process; and
12. demonstrate the application of critical thinking skills using cultural considerations.

Major Topics

- I. EMS Systems
- II. Workforce Safety and Wellness
- III. Research
- IV. Documentation
- V. EMS System Communication
- VI. EMS Law
- VII. Pathophysiology
- VIII. Principles of Pharmacology
- IX. Clinical Decision Making

Course Requirements

Writing Assignment: Instructors may consider the quality of writing in determining a grade for written assignments. Poor writing can be sufficient cause for a failing grade on a paper and, in extreme situations, a failing grade for the course.

Grading: Performance evaluation and examination scores will be used to determine the student's course grade. Classification examinations will be made up of multiple-choice questions. Diagnostic examinations may be made up of a combination of multiple choice, matching, short answer, and essay questions.

The passing grade on all quizzes and examinations for this course is seventy-five (75%) percent. Four quizzes will be given but only three will be included in the grade (the lowest grade will be dropped). Student must maintain a seventy-five (75%) average on all individual exams and quizzes, as well as earning a 75% overall to pass the course. There are no retests allowed in this course.

EMST 210 Grading Criteria and Scale:

| | | |
|---------------------------------------|---|------------|
| Quizzes (3 x 25 pts each) | = | 75 points |
| Research Assignment (1 x 75 pts) | = | 75 points |
| Discussion Board Posting (4 x 25 pts) | = | 100 points |

Final Examination (1 x 150 pts) = 150 points
Total = 400 points
400 - 380 = A; 379 - 340 = B; 339 - 300 = C; 299 - 260 = D; < 260 = F

Other Course Information

This course is required for both the EMST degree and certificate programs