

**Common Course Outline**  
**EMST 220**  
**Paramedic Foundations II**  
**3 Semester Hours**

**The Community College of Baltimore County**

**Description**

**EMST 220-3 credits-Paramedic Foundations II** introduces the Paramedic student to the skills and knowledge necessary to perform intravenous therapies, medication administration, airway management and history and physical examinations at the level of the paramedic provider. Further, this course will prepare students for the intense nature of the tactile-kinesthetic proficiency required leading to national certification and Maryland licensure.

**3 credits: 2 lecture hours/3 lab hours**

**Prerequisite: EMST 210 with a “C” or better**

**Overall Course Objectives**

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

1. demonstrate:
  - a. safety and precision in accessing the venous circulation;
  - b. the principles of intravenous therapy;
  - c. compilation and administration of equipment necessary to access a vessel;
  - d. skills and procedures to mediate complications;
  - e. understand the basic principles of pharmacology and be able to develop a drug profile for common emergency drugs;
  - f. safety and competence in administering pharmaceuticals;
  - g. safety and competence in establishing and maintaining a patent airway, oxygenate and ventilate a patient ;
  - h. appropriate techniques to obtain a medical history from a patient;
  - i. the ability to follow an accepted format for the dissemination of patient information in verbal form, either in person or on the radio; and
  - j. the ability to effectively document the essential elements of patient assessment, care and transport.
2. explain the significance of physical examination findings commonly found in emergency situations;
3. describe:
  - a. complications with intravenous therapy;
  - b. the basic anatomy and physiology and how it relates to the foundations of medicine;
4. integrate the principles of history taking and techniques of physical examination to perform a patient assessment on an emergency patient; and

5. apply a process of clinical decision making to use the assessment findings to help form a field impression.

### **Major Topics**

- I. Pharmacology
- II. Intravenous Therapy
- III. Medication Administration
- IV. Airway and Ventilation
- V. Patient Assessment
- VI. Clinical Decision making
- VII. Critical thinking skills

### **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 220 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)                                       | = | <u>150 points</u> |
| 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