

**Common Course Outline**  
**PAST 230**  
**Diagnostic Studies I**  
**2 Credits**

**The Community College of Baltimore County**

**Description**

Diagnostic Studies I

Provides proficiency in performing, ordering and interpreting diagnostic studies. Covers ordering and interpretation of radiographs, imaging studies, and electrocardiograms; gives students opportunity to perform 12 lead EKG studies. The first of three courses.

**Overall Course Objectives**

The student will be able to:

- A. Perform and record an EKG;
- B. Interpret EKGs including assessment of rate, rhythm, axis, hypertrophy and infarct;
- C. Apply principles of radiographic, ultrasound and magnetic resonance imaging;
- D. Discuss methodology of radiographic interpretation, including cross sectional anatomy;
- E. Identify the normal chest and abdominal film; and
- F. Explain uses and need for special studies.

**Major Topics**

- A. Electrocardiography
- B. Cardiac Electrophysiology
- C. Basics of Radiography
- D. Chest x-ray
- E. Abdominal x-ray
- F. Special Imaging
- G. Infection Control

**Course Requirements**

Methods of Evaluation:

- A. Written exams
- B. Practical examinations

**Other Course Information**

Methods of Instruction:

- A. Lecture
- B. Seminar
- C. Demonstration
- D. Audiovisual Presentation