

**BIOL 252**  
**Physiological Pathology**  
3 Credits

Community College of Baltimore County  
Common Course Outline

**Description**

**BIOL 252 – Physiological Pathology:** is a course in which students are introduced to the study of disease processes and their impact on the human body, with emphasis on those conditions which relate to or affect the handling of human remains. This includes the structure and function of tissues in disease and the development and abnormal effects of disease in the various organ systems. Students explore the anatomical changes that may occur because of disease. This course is required for students in the Mortuary Science Program.

**Pre-requisites:** Acceptance into the Mortuary Science Program and BIOL130 or college-level anatomy approved by Mortuary Science Program Director with a grade of 'C' or better.

**Overall Course Objectives**

Upon completion of this course, students will be able to:

1. demonstrate knowledge of diseases, their processes, and related terminology;
2. communicate competently with members of the medical community, allied professionals, and surviving family members;
3. differentiate among the major divisions of pathology;
4. compare and contrast the roles of the medical examiner and the coroner;
5. explain the importance of autopsy;
6. explain cellular reactions and complications of injury;
7. describe common causes and complications of structural abnormalities;
8. describe the process of inflammation and repair including complications associated with each process;
9. describe common conditions related to disturbances of the circulatory system;
10. differentiate the characteristics of normal cells from transformed cells in benign and malignant neoplasms or cysts;
11. describe the causes and complications of common types of neoplasms, cysts, and non-neoplastic changes;
12. apply a system's structure and function to identify diseases of the human body; and
13. discuss predisposing factors, causes, and common changes associated with diseases of human body systems and postmortem conditions.

**Major Topics**

- I. Pathology and autopsy
- II. Descriptive terminology
- III. Etiology
- IV. Cellular reactions to injury
- V. Structural abnormalities

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For more information, see your professor's syllabus.

- VI. Inflammation and outcomes
- VII. Disturbances in circulation
- VIII. Neoplasms and cysts
- IX. Diseases of the blood
- X. Diseases of the heart and blood vessels
- XI. Diseases of the digestive system
- XII. Diseases of the respiratory system
- XIII. Diseases of the urinary system
- XIV. Diseases of the nervous system
- XV. Diseases of the reproductive system
- XVI. Diseases of the skeletal system
- XVII. Diseases of the endocrine system
- XVIII. Diseases of the integumentary system
- XIX. Diseases of the lymphatic system

### **Course Requirements**

Grading will be determined by the individual faculty member based on the standards of the Mortuary Science Program, but shall include the following, at minimum:

- four unit/topic exams, each of which includes of a short/written response
- 15 topic quizzes
- a comprehensive final exam

### **Other Course Information**

Students are not permitted to register for this online course once registration has ended. Students are required to come to campus to take exams. Students must earn at least 78% to pass this course.

The faculty shall adapt curriculum to the demographic needs of their students and the communities they will serve.

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