

**Empire Healthcare Consulting
Medical Coding Academy**

Course Syllabus: Pathopharmacology

Instructor: Simone F. Thomas, MHSc, MHL, CCS, CCS-P, CDIP, CHTS-TR, HCS-H, CRC, CPC, CPC-I
AHIMA-Approved ICD-10-CM/PCS Trainer-Ambassador/AAPC-Approved Instructor

Contact Information: sthomas@empirehcc.com | ph: 954-549-4461

Course Objective

At the completion of the course, students should be able to:

1. Define terms related to disease terminology.
2. Explain core concepts concerning the mechanism of disease.
3. Describe preventative disease measures.
4. Define terms related to pharmacology.
5. Explain basic pharmacologic principles.
6. Contrast the various routes of drug administration.
7. Describe the normal anatomy and physiology of all body systems.
8. Identify the pathology and common disease states as it relates to the various body systems.
9. Describe assessment techniques related to the pathology of the body systems.
10. Describe diagnostic tests related to the pathology of the body systems.
11. Relate the pharmacologic treatment to the pathologic conditions of the body systems.
12. Describe non-pharmacological interventions used to prevent or treat pathologies of the body systems.
13. Apply knowledge of pathopharmacology to evaluate case studies.

Course Description

This course provides a framework to understand medications and their administration and is appropriate for a variety of health care practitioners, including nurses, medical assistants, pharmacy technicians, and allied health professionals seeking continuing education. Students will be introduced to an extensive body of knowledge and will examine drug classifications through their indications, side effects, precautions, and interactions.

Recommended Course Pre/Co-requisites: **Medical Terminology & Anatomy & Physiology**

Required Course Resources (included in the course)

Pathopharmacology, 1st Edition, Bruce Colbert; Kurtis Pierce

ISBN-10: 1-305-94625-1

ISBN-13: 978-1-305-94625-5

Methods of Evaluation

The passing grade for this course is 70% and will be based on the following:

Assignments	15%
Chapter Quiz	20%
Exams (3)	30%
Final Exam	35%

Grading Scale:

A: 90-100

B: 80-89

C: 70-79

D: 60-69 (must repeat course)

F: 0-59 (must repeat course)

This course is asynchronous and can be accessed at any time. Course content can be completed at any speed within a one year access window.

WEEK 1	Chapter 1: Core Concepts of Disease Chapter 2: Mechanism of Disease Read Chapter, Review Power Point, Complete Assignment, Take chapter quiz
WEEK 2	Chapter 3: Core Concepts of Pharmacology Chapter 4: Drug Administration and Dosage Forms Read Chapter, Review Power Point, Complete Assignment, Take chapter quiz
WEEK 3	Chapter 5: Cancer and Antineoplastic Pharmacology Read Chapter, Review Power Point, Complete Assignment, Take chapter quiz
WEEK 4	Exam #1: Chapters 1-5
WEEK 5	Chapter 6: Pathopharmacology of the Musculoskeletal System Read Chapter, Review Power Point, Complete Assignment, Take chapter quiz

WEEK 6	Chapter 7: Pathopharmacology of the Integumentary System Read Chapter, Review Power Point, Complete Assignment, Take chapter quiz
WEEK 7	Chapter 8: Gastrointestinal Diseases and Medications Chapter 9: Pathopharmacology of the Endocrine System Read Chapter, Review Power Point, Complete Assignment, Take chapter quiz
WEEK 8	Chapter 10: Pathopharmacology of the Urinary System Read Chapter, Review Power Point, Complete Assignment, Take chapter quiz
WEEK 9	Exam #2: Chapters 6-10
WEEK 10	Chapter 11: Pathopharmacology of the Respiratory System Read Chapter, Review Power Point, Complete Assignment, Take chapter quiz
WEEK 11	Chapter 12: Pathopharmacology of the Cardiovascular System Read Chapter, Review Power Point, Complete Assignment, Take chapter quiz
WEEK 12	Chapter 13: Pathopharmacology of the Nervous System Read Chapter, Review Power Point, Complete Assignment, Take chapter quiz
WEEK 13	Chapter 14: Pathopharmacology of the Eyes and Ears Read Chapter, Review Power Point, Complete Assignment, Take chapter quiz
WEEK 14	Chapter 15: Pathopharmacology of the Reproductive System Read Chapter, Review Power Point, Complete Assignment, Take chapter quiz

WEEK 15

Exam #3: Chapters 11-15

WEEK 16

Final Exam: Cumulative (Chapters 1-15)