

**Empire Healthcare Consulting
Medical Coding Academy**

Course Syllabus: Anatomy & Physiology

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

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Course Objective

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

1. Use the appropriate terminology to describe the human body, the chemistry of life, cell structure, metabolism, cellular reproduction and tissues.
2. Identify the structures and functions of the major body systems.
3. Examine common pathologies of the major body systems.
4. Describe how the body maintains homeostasis, and analyze each body system's role in maintaining the body's internal environment.
5. Explain the physiological changes and effects that aging has on each specific body system

Course Description

This course provides an overview to the anatomical structures and physiology of the human body. Each body system is discussed in terms of the major anatomical structures and function including how each system participates in homeostasis of the body.

Required Course Resources (included in course)

Fundamentals of Anatomy & Physiology, 4th Edition by Donald C. Rizzo
ISBN-10: 1-285-17415-1
ISBN-13: 978-1-285-17415-0

Recommended Prerequisites: Medical Terminology

Methods of Evaluation

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

Chapter Homework Assignments	15%
Chapter Quizzes (19)	20%
Exams (5)	30%
Final (Comprehensive)	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: THE HUMAN BODY

CHAPTER 2: THE CHEMISTRY OF LIFE

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

WEEK 2

CHAPTER 3: CELL STRUCTURE

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

WEEK 3

CHAPTER 4: CELLULAR METABOLISM AND REPRODUCTION: MITOSIS AND MEIOSIS

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

EXAM #1: CHAPTERS 1-4

WEEK 4

CHAPTER 5: TISSUES

CHAPTER 6: THE INTEGUMENTARY SYSTEM

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

WEEK 5

CHAPTER 7: THE SKELETAL SYSTEM

CHAPTER 8: THE ARTICULAR SYSTEM

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

EXAM #2: CHAPTERS 5-8

WEEK 6

CHAPTER 9: THE MUSCULAR SYSTEM

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

WEEK 7

CHAPTER 10: THE NERVOUS SYSTEM: INTRODUCTION, SPINAL CORD, AND SPINAL NERVES

CHAPTER 11: THE NERVOUS SYSTEM: THE BRAIN, CRANIAL NERVES, AUTONOMIC NERVOUS SYSTEM, AND THE SPECIAL SENSES

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

WEEK 8

CHAPTER 12: THE ENDOCRINE SYSTEM

Study Chapter and complete the Quick Check Exercises (Practice)
Complete the Reality Check and Apply Yourself Learning lab (Practice)
Complete the Homework Assignment, Case Study, and Chapter Quiz (Graded)

EXAM #3: CHAPTERS 9-12

WEEK 9

CHAPTER 13: THE BLOOD

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

WEEK 10

CHAPTER 14: THE CARDIOVASCULAR SYSTEM

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

WEEK 11

CHAPTER 15: THE LYMPHATIC SYSTEM

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

WEEK 12

CHAPTER 16: NUTRITION AND THE DIGESTIVE SYSTEM

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

EXAM #4: CHAPTERS 13-16

WEEK 13

CHAPTER 17: THE RESPIRATORY SYSTEM

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

WEEK 14

CHAPTER 18: THE URINARY SYSTEM

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

WEEK 15

CHAPTER 19: THE REPRODUCTIVE SYSTEM

Study and Read Chapter(s)
Complete Chapter Review
Take Chapter Quiz

EXAM #5: CHAPTERS 17-19

WEEK 16

FINAL EXAM Chapters 1-19