

COURSE DESCRIPTION

This is one of four Anatomy and Physiology courses and is the prerequisite for the remaining courses in this series.

Anatomy and Physiology I examines the normal structure and function of the human Integumentary and Musculoskeletal Systems at the gross and infrastructural levels. It includes a detailed analysis of muscle actions, innervations, and clinically relevant origins and insertions.

LEARNING OBJECTIVES

The student will learn the structure and function of the human body from the Western viewpoint. A working knowledge of the body systems and their interrelationship to form a functioning organism will be attained over the course series.

COURSE PREREQUISITIES

None

REQUIRED TEXTS

Marieb, Elaine N. (2012) **Human Anatomy & Physiology**. Pearson Benjamin Cummings Publishers. 9th or 10th edition ISBN-13: 978-0321743268; 10th edition ISBN-13: 978-0321927040

A&P 1-2 Course Manual – see EmperorsWesternScience.wordpress.com to purchase

RECOMMENDED TEXTS

Standring, S., & Gray, H. (2008). **Gray's Anatomy: The Anatomical Basis of Clinical Practice**. 40th edition Edinburgh: Churchill Livingstone/Elsevier. ISBN-13: 978-0443066849

COURSE REQUIREMENTS

Module 1 exam = 50%
Module 2 exam = 50%

Classroom lectures represent the instructor's emphasis and focus on certain aspects of the course material. The student is responsible for the assigned readings.

GRADING SCALE: 100-90% A, 89-80% B, 79-70% C, 69% and below F

SPECIAL NOTES

No texting or phone use permitted in class. No video recording is permitted under any circumstances.

Professionalism and Full and Prompt Attendance: To pass any course (separate from academic performance) all students must meet requirements for professionalism in coursework. Professionalism includes full and prompt attendance: students who miss more than 2 class meetings in a 10-week course or 1 class meeting in a 7-week course will earn an F in that course. Additionally, students who arrive more than 15 minutes to class or leave class before it ends will be given ½ absence towards attendance. NOTE: Students who leave and return to class late from a break or leave during the class (especially if this is repeated) or who disrupt the class in other ways may earn an F in that class and/or be referred to the Academic Dean for professionalism.

CLASS ONE (The syllabus is subject to change at the discretion of the instructor.)

1. Introduction
 2. Human Body: Orientation
 3. Cells – part 1
- Assignment: Marieb Ch. 1-3

CLASS TWO

1. Cells – Part 2
 2. Tissues
- Assignment: Marieb Ch. 3-4

CLASS THREE

1. Integumentary System
- Assignment: Hole: Marieb Ch. 5

CLASS FOUR

1. Bones & Skeletal Tissue
 2. Joints & Movement
- Assignment: Marieb Ch. 6, 8

CLASS FIVE

1. Axial Skeleton
 2. Appendicular Skeleton
- Assignment: Marieb Ch. 7

**CLASS SIX
MODULE 1 EXAM**

CLASS SEVEN

1. Muscle Tissue 1
- Assignment: Marieb Ch. 9

CLASS EIGHT

1. Muscle Tissue 2
- Assignment: Marieb Ch. 9

CLASS NINE

1. Muscular System 1 – Axial
- Assignment: Marieb Ch. 10

CLASS TEN

1. Muscular System 2 - Extremities
- Assignment: Marieb Ch. 10

**CLASS ELEVEN
MODULE 2 EXAM**

REFERENCE MATERIAL

will be provided as necessary

FACULTY INFO

Please contact Dr. Downie with questions at docdownie.emperors@gmail.com

Check for Course notes, materials and Course Manual links at EmperorsWesternScience.wordpress.com