

EMPEROR'S COLLEGE
MTOM COURSE SYLLABUS
ANATOMY & PHYSIOLOGY I

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 intrastructural 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*, 9th ed., Pearson Benjamin Cummings Publishers. ISBN -13: 978-0321743268

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 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 marked tardy. Two tardies equal one absence. 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 be referred to the Academic Dean for professionalism.

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

(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: 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

Course
Code **WS205**

3 Units

**EMPEROR'S COLLEGE
MTOM COURSE SYLLABUS
ANATOMY & PHYSIOLOGY I**

Downie, Patrick
Fall 2017

Will be provided as necessary

Please contact Dr. Downie with questions at docdownie.emperors@gmail.com
Check for Course notes, materials and Course Manual links at EmperorsWesternScience.wordpress.com

FACULTY INFO

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Dr. Downie graduated from National College of Chiropractic in Lombard, Illinois in 1996 and pursued additional clinical training in orthopedics and neurology. He was Co-Director of a NIH CAM research grant at Rush University College of Nursing, practiced as a staff Chiropractor at Northwestern Medicine's Center for Integrative Medicine, and served as both a professor and Bioscience Department Chair at Pacific College of Oriental Medicine, in Chicago for over a decade. Dr. Downie is an active member of the American Association of Anatomists. Please contact Dr. Downie with questions at docdownie.emperors@gmail.com or text 312.569.0747