
COURSE DESCRIPTION

This course analyzes the endocrine system, the central and peripheral nervous systems, the autonomic nervous system, and the general and special senses and their clinical correlations.

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 PREREQUISITES

Anatomy & Physiology I

REQUIRED TEXTS

Hole, Human Anatomy and Physiology, 11th edition. Brown, Dubuque, 2006.

Human Anatomy Coloring Book. Brown, Dubuque, 1991.

Kapit, The Anatomy Coloring Book, 3rd edition, Cummings, Boston, 2002

Netter, Atlas of Human Anatomy, 2nd edition, Ciba-Geigy Corp., Summit, New Jersey, 2002

RECOMMENDED TEXTS

Guyton, Textbook of Medical Physiology, 6th edition,. Saunders, Philadelphia, 1981.

COURSE REQUIREMENTS

Out-of-Class Work

To successfully complete the program, students need to plan studying a minimum of 2 hours out-of-class for each academic in-class hour; and half an hour out-of-class for each hour of clinical training.

10 Points - Class Attendance

10 Points - Coloring Book

40 Points - Mid-Term Examination

40 Points - Final Examination

100 Points -Total.

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

SPECIAL NOTES

Absence Policy: Separate from individual course requirements, ECTOM Students must attend no less than 80% of course hours to pass that class. Students who miss more than 2 classes in a 10 week course (1 class in a 7 week course) will earn a F in that course. Any two occurrences of late arrivals or early departures, of 15 minutes or more, will constitute as 1 absence.

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

Endocrine System

Hormone, Chemistry, and actions

Course Code **WS208**
3 Units
30 Hours

EMPEROR'S COLLEGE
MTOM COURSE SYLLABUS
ANATOMY & PHYSIOLOGY IV

Redmond, Michael
Fall 2018

Prostaglandins
Control
Negative and positive feedback
Hypothalamus and pituitary gland

Assignment Hole, Chapter 13
Kapit: color pages for Endocrine and Nervous System

CLASS TWO
Endocrine System
Thyroid
Parathyroid
Adrenal Cortex
Adrenal Medulla
Pancreas
et Al
Pathology
Assignment Hole, Chapter 13

CLASS THREE
Nervous System
Basic Structure and Function
Membrane Potential
Synapse
Processing of impulses

Assignment Hole, Chapter 10
Kapit pgs 70-100

CLASS FOUR
Nervous System
Central Nervous System
Meninges
Spinal Cord
CSF
Brain

Assignment Hole, Chapter 11

CLASS FIVE
Nervous System
Central Nervous System (Continued)
MemoryFiltering and Virtual Reality Postnatal Period

CLASS SIX
Mid-Term Examination

CLASS SEVEN

Nervous System
Peripheral Nervous System
Cranial Nerves
Spinal Nerves and Plexi
Autonomic Nervous System

Assignment Hole, Chapter 11

CLASS EIGHT

Somatic Senses
Receptors
Impulses
Adaptation
Special Senses
Smell
Taste
Assignment Hole, Chapter 12

CLASS NINE

Special Senses
Sight

Assignment Hole, Chapter 12

CLASS TEN

Special Senses
Hearing

Assignment Hole, Chapter 12

CLASS ELEVEN

Final Examination

REFERENCE MATERIAL

FACULTY INFO

Redmond, Michael
Please check with instructor during class to get updated contact info.
310.676.2209
Kampfwagen@sbcglobal.net

Michael Redmond has taught Western medicine courses to TCM students for many years. His previous clinical experiences include trauma, intensive care, anesthesia, and home health. Currently Redmond teaches several courses in the MTOM Program including Biology, Chemistry, Biochemistry, Western Physical Assessment, Anatomy and

Course Code **WS208**
3 Units
30 Hours

EMPEROR'S COLLEGE
MTOM COURSE SYLLABUS
ANATOMY & PHYSIOLOGY IV

Redmond, Michael
Fall 2018

Physiology and Western Medical Terminology among others.