THE HUMAN BODY

EBME 480B

COURSE DESCRIPTION: Study of Structural organization of the body. Introduction to anatomy, physiology, and pathology, covering the various systems of the body. Comparison of elegant and efficient operation of the body and the related consequences of when things go wrong, presented in the context of each system of the body. Introduction to medical diagnosis and terminology in the course of covering the foregoing. (3 credit hours)

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TEXTBOOKS:
The Human Body in Health and Disease, 6th Edition, Thibodeau and Patton

RECOMMENDED ADDITIONAL MATERIAL:
Medical Terminology for Healthcare, Hutton

COURSE OBJECTIVES: This course is designed to provide the students with a basic understanding of anatomy, physiology, and pathology, as well as an introduction to medical terminology.

COURSE GRADE:

Quizzes (30%): ~ biweekly
Homework (40%): 4 assignments, ~ biweekly
Project (30%): Analysis of pathology of an organ.

LECTURE SCHEDULE:

WK 1 Ch 1: Structure and function of the body
          Ch 2: Chemistry of life
WK 2 Ch 3: Cells and tissues
          Ch 4: Organ systems of the body
WK 3 Ch 5: Mechanisms of disease
          Ch 6: Integumentary system and body membranes
WK 4 Ch 7: Skeletal system
          Ch 8: Muscular system
WK 5 Ch 9: Nervous system
          Ch 10: Senses
WK 6 Ch 11: Endocrine system
WK 7 Ch 12: Blood
            Ch 15: Lymphatic system and immunity

WK 8 NO CLASS – SPRING BREAK
WK 9 Ch 13: Heart and heart disease
            Ch 14: Circulation of blood
WK 10 Ch 16: Respiratory system
            Ch 21: Acid-base balance
WK 11 Ch 17: Digestive system
            Ch 18: Nutrition and metabolism
WK 12 Ch 19: Urinary system
            Ch 20: Fluid and electrolyte balance
WK 13 Ch 22: Reproductive systems
WK 14 Ch 23: Growth and development
            Ch 24: Genetics and genetic diseases
WK 15 Project presentations

University Student Ethics Policy
http://studentaffairs.case.edu/ai/policy.html
Violations of the Student Ethics Policy will result in failure in the assignment in question or the course, or referral to the academic integrity board as per university policy.

All forms of academic dishonesty including cheating, plagiarism, misrepresentation, and obstruction are violations of academic integrity standards. Cheating includes copying from another's work, falsifying problem solutions or laboratory reports, or using unauthorized sources, notes or computer programs. Plagiarism includes the presentation, without proper attribution, of another's words or ideas from printed or electronic sources. It is also plagiarism to submit, without the instructor's consent, an assignment in one class previously submitted in another. Misrepresentation includes forgery of official academic documents, the presentation of altered or falsified documents or testimony to a university office or official, taking an exam for another student, or lying about personal circumstances to postpone tests or assignments. Obstruction occurs when a student engages in unreasonable conduct that interferes with another's ability to conduct scholarly activity. Destroying a student's computer file, stealing a student's notebook, and stealing a book on reserve in the library are examples of obstruction.

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