

BOROUGH OF MANHATTAN COMMUNITY COLLEGE

City University of New York

Department of Science

Title of Course ANATOMY & PHYSIOLOGY I

BIO 425 Section _____

Semester Fall 2008

Credits 4

Class hours 3

Lab hours 3

Instructor Information

Name:

Office:

Room:

Email:

Phone:

Course Description

This is the first semester of a two-semester course that explores the human body as an integrated, functional complex of systems. Terminology, structure and function of each organ system, and the interrelationships between systems are emphasized.

Prerequisites/Co-requisites

CHE 118 or CHE 121, or departmental approval

NOTE: BIO 425 does not meet the science requirement in the liberal arts curriculum.

Student Learning Outcomes

Students will be able to develop an understanding of human anatomy and physiology by studying the relationships between the anatomical features and the functions of each organ system, as well as the interactions between different organ systems.

Students will be able understand concepts related to normal anatomy and physiology that can be applied to the understanding of disease processes.

Students will be able to experience a hands-on laboratory experience that includes the use of microscopy, models, charts, preserved materials and a variety of analytical techniques.

Students will be able to understand relevant information concerning human anatomy and physiology that helps prepare them for careers in health-related fields.

Required Text

Human Anatomy and Physiology, (7th Edition)

Mareib, Elaine N. & Hoehn, Katja

Benjamin-Cummings, 2007

Other Resources: Packaged with textbook

Evaluation & Requirements of Students

At the beginning of the semester, the instructor will inform students about all factors upon which their final grades will be based.

College Attendance Policy

At BMCC, the maximum number of absences is limited to one more hour than the number of hours a class meets in one week. For example, you may be enrolled in a three-hour class. In that class, you would be allowed 4 hours of absence (not 4 days). In the case of excessive absences, the instructor has the option to lower the grade or assign an F or WU grade.

LECTURE

<u>WEEKS</u>	<u>TOPICS</u>	<u>PAGES</u>
1	Introduction/ Body Organization	1-23
2	Cells	64-97
3	Cellular Processes	97-116
4	Tissues/Membranes	117-150
5	Integumentary System	151-174
6	Bone Tissue Axial Skeleton	176-201 202-227
7	Appendicular Skeleton Articulations	227-251 225-278
8	Muscle Tissue/ Membrane Potentials	280-323
9	Muscular System	324-386
10	Nervous System/ Nerve Tissue Spinal Cord and Spinal Nerves	388-429 470-481, 508-527
11	Brain/ Meninges and CSF	431-470
12	Cranial Nerves Autonomic Nervous System	491-508 532-554
13	Senses	556-603
14	Endocrine System	604-645
15	Review and Final Examination	

Academic Adjustments for Students with Disabilities

Students with disabilities who require reasonable accommodations or academic adjustments for this course must contact the Office of Services for Students with Disabilities. BMCC is committed to providing equal access to all programs and curricula to all students.

BMCC Policy on Plagiarism and Academic Integrity Statement

Plagiarism is the presentation of someone else's ideas, words or artistic, scientific, or technical work as one's own creation. Using the idea or work of another is permissible only when the original author is identified. Paraphrasing and summarizing, as well as direct quotations, require citations to the original source. Plagiarism may be intentional or unintentional. Lack of dishonest intent does not necessarily absolve a student of responsibility for plagiarism.

Students who are unsure how and when to provide documentation are advised to consult with their instructors. The library has guides designed to help students to appropriately identify a cited work. The full policy can be found on BMCC's web side, www.bmcc.cuny.edu. For further information on integrity and behavior, please consult the college bulletin (also available online).