

BOROUGH OF MANHATTAN COMMUNITY COLLEGE

City University of New York

Department of Science

Title of Course PHARMACOLOGY

SCI 530 Section _____

Credits 3

Class hours 3

Lab hours (if applicable)

Instructor Information

Name:

Office:

Room:

Email:

Course Description

Fundamental principles and concepts in pharmacology are considered. Particular attention is given to drug action and interaction and to the effect of drugs and toxic substances in the human organism.

Prerequisites/Co-requisites

BIO 426 and CHE 118, or CHE 121, or departmental permission

Student Learning Outcomes

1. Students will be able to understand basic mechanism of drug actions.
2. Students will be able to understand the principles of pharmacokinetics.
3. Students will be able to understand the use of specific drugs in the context of the underlying pathophysiology being treated.
4. Students will be able to have a rational basis for understanding the untoward effects of specific drugs.

Required Text & Readings

Text: *Basic and Clinical Pharmacology*

Author: Bertum G. Katzung:

Publisher: Appleton and Lange

Edition: 9th

Other Resources

Use of Technology (if applicable)

Evaluation & Requirements of Students

Examination and Quizzes = 100%

Outline of Topics

WEEK

TOPICS

1	Introduction - Pharmacodynamics and pharmacokinetics
2	Autonomic Nervous System Drugs
3	Psychiatric Drugs
4	Analgesic Drug
5	Anesthetic Drugs
6	Anti-inflammatory Drugs

7	Drugs effecting Hemostasis
8	Cardiac Drugs
9	Anti-hypertensive Drugs
10	Respiratory Drugs
11	Antibiotics
12	Anti-cancer Drugs
13	Gastrointestinal Drugs
14	Drug treatment of Diabetes

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.

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).