

This syllabus is provided as a general informational guide. Some of the information may vary depending on the specific course section and instructor. Different sections of the same course may require different textbooks. Verify the section specific textbook information in the CUNY's Academic Course Schedule Web Page. Modifications of the grading system presented here will be communicated by the instructors of the sections when they meet the class.

BOROUGH OF MANHATTAN COMMUNITY COLLEGE

City University of New York

Department of Science

Title of Course PHARMACOLOGY
SCI 530 Section _____

Class hours 3
Lab hours (if applicable)

Credits 3

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

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

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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

Class Participation

Participation in the academic activity of each course is a significant component of the learning process and plays a major role in determining overall student academic achievement. Academic activities may include, but are not limited to, attending class, submitting assignments, engaging in in-class or online activities, taking exams, and/or participating in group work. Each instructor has the right to establish their own class participation policy, and it is each student's responsibility to be familiar with and follow the participation policies for each course.

BMCC is committed to the health and well-being of all students. It is common for everyone to seek assistance at some point in their life, and there are free and confidential services on campus that can help.

Single Stop www.bmcc.cuny.edu/singlestop, room S230, 212-220-8195. If you are having problems with food or housing insecurity, finances, health insurance or anything else that might get in the way of your studies at BMCC, come by the Single Stop Office for advice and assistance. Assistance is also available through the Office of Student Affairs, S350, 212-220- 8130.

Counseling Center www.bmcc.cuny.edu/counseling, room S343, 212-220-8140. Counselors assist students in addressing psychological and adjustment issues (i.e., depression, anxiety, and relationships) and can help with stress, time management and more. Counselors are available for walk-in visits.

Office of Compliance and Diversity www.bmcc.cuny.edu/aac, room S701, 212-220-1236. BMCC is committed to promoting a diverse and inclusive learning environment free of unlawful discrimination/harassment, including sexual harassment, where all students are treated fairly. For information about BMCC's policies and resources, or to request additional assistance in this area, please visit or call the office, or email olevy@bmcc.cuny.edu, or twade@bmcc.cuny.edu. If you need immediate assistance, please contact BMCC Public safety at 212-220-8080.

Office of Accessibility www.bmcc.cuny.edu/accessibility, room N360 (accessible entrance: 77 Harrison Street), 212-220-8180. This office collaborates with students who have documented disabilities, to coordinate support services, reasonable accommodations, and programs that enable equal access to education and college life. To request an accommodation due to a documented disability, please visit or call the office.

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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

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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 site, www.bmcc.cuny.edu. For further information on integrity and behavior, please consult the college bulletin (also available online).

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