

**Master Syllabus**

**COURSE:**   HPHM 1515: Advanced PHARMACOLOGY FOR PHARMACY TECHNCIANS

CRN:

**CREDIT HOURS (Lecture/Lab/Total):** 2/0/2

**CONTACT HOUR (Lecture/Lab/Total):** 55/0/55

**INSTRUCTOR INFORMATION**

Name:

Email:

Phone:

Office:  TBA

Office Hours:

Virtual Office Hours:

Class Location:

**COURSE DESCRIPTION:** This course introduces the pharmacy technician student to the general principles of pharmacology. Drug are discussed in the context of drug classes, mechanisms of action, disease types, and body systems. The course is designed to provide the Pharmacy Technician with a sufficient foundation in drug related information so that they will be able to play a key role in avoiding dispensing error. In this course emphasis will be given to the actual preparation to dispense the most commonly prescribed top 100 medications.

**PREREQUISITES:**  The student must have successfully completed or be concurrently enrolled in HPHM 1505 and HPHM 1510..

**LEARNING OUTCOMES:**

Upon successful completion of this course, with a minimum of 70% accuracy, the student will be able to:

1. Demonstrate a thorough knowledge of the generic and corresponding brand names of commonly prescribed top 200 drugs.
2. Identify the classes of the covered drugs by their use and pharmacological effect.
3. Identify the various dosage forms (liquid, solid, semi-solid) and the issues pertaining to their stability for the covered drugs.
4. Demonstrate an understanding of controlled-release and sustained-release dosage forms as well as newer drug delivery systems such as inhalation, transdermal, and transmucosal drug delivery systems and the special handling of such dosage forms.
5. Examine principles of drug action in the body and individual cells, including body absorption and distribution in relation to therapeutic blood levels and the process of clearing systemically dispersed agents through metabolism and elimination of the covered drugs.
6. Anticipate how best to promote safety and avoid medication errors through drug label and medication order literacy skills.
7. Anticipate possible side effects and dispensing strategies for each covered drug class.
8. Analyze labeling requirements for the various covered classes of pharmaceuticals and cautions when dispensing based on thorough understanding of interaction between classes of pharmaceuticals, individual agents, and supplements.

**ASSESSMENT MEASURES:**

Student assessments will be based upon total points earned on examinations, quizzes, & written assignments.

*Assignments are weighted by group*:

| Group | Weight |
| --- | --- |
| Attendance/Participation | 5.0% |
| Assignments/Homework | 10.0% |
| Chapter Assessments | 15.0% |
| Top 100 Drugs Quizzes | 15.0% |
| Special Reports/Projects | 10.0% |
| Midterm Exam | 20.0% |
| Final Exam | 25.0% |
| Total | 100% |

**TEXTBOOK/S:**  Pharmacology for Technicians 6th edition, Paradigm Education Solutions;

Optional Resources: Paradigm’s Pocket Drug Guide; Pharmacology for Technicians Workbook 6th edition

**SUPPLIES AND EQUIPMENT:** Pencil, Paper, Notecards, Computer with reliable Internet, and an up to date browser. Additional software that may be needed to include Microsoft Word, PowerPoint, Adobe Acrobat and Respondus Lockdown.

**ATTENDANCE POLICY:** It is the student’s responsibility to maintain regular contact with instructors. Class attendance is the responsibility of the student. All students must be officially enrolled in any course that they attend. It is expected that students attend all classes and be on time. If an absence occurs, it is the responsibility of the student for making up examinations, obtaining lecture notes, and otherwise compensating for what may have been missed. Students who stop attending class and do not officially drop, withdraw, or resign from the college may receive a grade of “F” for all coursework missed. Absences affect performance in this course and do not reflect well on participation. No student may substitute the attendance of another student. **Online students must be actively participating in online courses to be considered making progress.** **Hybrid students must attend face-to-face meetings as well as complete online assignments.**

Students should frequently check Canvas (Learning Management System) for notifications and updates to the course. Students are expected to use the online resources provided by NTCC to:

1. Track course assignments and progress

2. Discuss topics and issues with fellow students

3. Turn in assignments, quizzes, and tests

4. Check for any updates, changes or alterations to the course

5. Access all course materials to include presentations, assignments, quizzes, and tests.

**GRADING REQUIREMENTS:**  A minimum of 70% must be achieved.

**GRADING SCALE:**

90-100             A

80-89               B

70-79               C

60-69               D

59-Below         F

**ACADEMIC INTEGRITY AND CONDUCT:** Students are expected to maintain the highest standards of academic integrity. Behavior that violates these standards is not acceptable. Plagiarism, cheating, and other forms of academic dishonesty are prohibited and are subject to disciplinary actions established in the Student Code of Conduct. The instructor reserves the right to assign a grade of “F” on any type of assignment or examination based on evidence that the student has violated the Student Code of Conduct.

**STUDENT BEHAVIOR/CLASSROOM DECORUM:** Students are encouraged to discuss, inquire, and express their thoughts and views during class. Classroom behavior that interferes with either the instructor’s ability to conduct the class or the ability of students to benefit from the instruction is not acceptable. Students are required to turn off all cell phones or similar electronic devices (or place them on silent mode) before coming into the classroom. The instructor reserves the right to assign no credit for work on that day if a student talks or texts on a cell phone or similar electronic device. The classroom is not a place for children, and students are not to bring their family members into the classroom.

**DISABILITY CODE:** If you are a qualified student with a disability seeking accommodations under the Americans with Disabilities Act, you are required to self-identify with the Student Affairs. No accommodations are granted without documentation authorized from Student Affairs.

**WITHDRAWAL POLICY:** The last day to withdraw from a course or resign from the college is **\_\_\_\_\_\_\_\_\_\_\_\_\_**. If you intend to withdraw from the course or resign from the college, you must initiate the action by logging into LoLA. The instructor will not withdraw you automatically.

**COMMUNICATION POLICY:** My.NorthshoreCollege.Edu is the official student email communication within Northshore Technical Community College. Therefore, the College has the right to send communications to students via their College email address and the right to expect that those communications will be received and read in a timely fashion. Every student is assigned a My.NorthshoreCollege.Edu. Students can redirect their College email address to an outside email provider. However, the College is not responsible for handling outside email providers, and redirecting their College email address does not absolve a student from their responsibilities associated with communication sent to their official College email address.

**COPYRIGHT POLICY:** Unless a student has obtained permission from the copyright holder, it is a violation of Copyright Law to print or photocopy chapters from a textbook that the student did not purchase. If the course requires the use of an electronic textbook, a student must look for a statement that allows for photocopying and/or printing of the eTextbook.

**NETIQUETTE POLICY:** This term is used to describe accepted, proper behavior on the Internet. Remember the following when communicating online (messages, discussion board, etc.):

* Never post profanity, racist, or sexist messages
* Be respectful of fellow students and instructors
* Never insult any person or their message content
* Never plagiarize or publish intellectual property
* Do not use text messaging abbreviations or slang
* Do not type in all CAPS (this is considered online yelling)