



INSTRUCTIONAL PACKAGE

PNR 121
Fundamentals of Pharmacology

201930
Summer/2020

INSTRUCTIONAL PACKAGE

Part I: Course Information

Effective Term: 201930

COURSE PREFIX: PNR 121

COURSE TITLE: Fundamentals of Pharmacology

CONTACT HOURS: 2.0

CREDIT HOURS: 2.0

RATIONALE FOR THE COURSE:

This is an introductory course to the concepts of pharmacology and medication administration. Emphasis is on calculation of dosages, administration of medications, and correct use of abbreviations. Effects of specific drugs are presented.

COURSE DESCRIPTION:

This course provides an introduction to basic pharmacology and beginning skills necessary to practice the nursing process related to safe medication administration.

PREREQUISITES/CO-REQUISITES:

Acceptance into the Practical Nursing Program

Co-requisites PNR 110, MAT 155 and BIO 210

(Please note: progression to PNR 120 is contingent upon previous successful completion within the specified time specified by the current HGTC college catalog, or current enrollment in these courses)

REQUIRED MATERIALS:

Please visit the Bookstore online site for most current textbook information. Use the direct link below to find textbooks.

[BOOKSTORE](#).

Enter the semester, course prefix, number and section when prompted and you will be linked to the correct textbook.

Required text: Watkins, C. (2018). Pharmacology clear & simple: A guide to drug classifications and dosage calculations, 3rd ed. FA Davis:Philadelphia

This text is included in the PNR 110 Book Bundle.

ADDITIONAL REQUIREMENTS:

HGTC Student picture ID badge

August 2019

Simple calculator

TECHNICAL REQUIREMENTS:

Access to Desire2Learn (D2L), HGTC's student portal for course materials.
WaveNet and D2L email access.

STUDENT IDENTIFICATION VERIFICATION

Students enrolled in online courses will be required to participate in a minimum of one (1) proctored assignment and/or one (1) virtual event to support student identification verification. Please refer to your Instructor Information Sheet for information regarding this requirement.

CLASSROOM ETIQUETTE:

As a matter of courtesy to other students and your professor, please turn off cell phones and other communication/entertainment devices before class begins. If you are monitoring for an emergency, please notify your professor prior to class and switch cell phone ringers to vibrate.

NETIQUETTE: is the term commonly used to refer to conventions adopted by Internet users on the web, mailing lists, public forums, and in live chat focused on online communications etiquette. For more information regarding Netiquette expectations for distance learning courses, please visit [Online Netiquette](#).

Part II: Student Learning Outcomes

COURSE LEARNING OUTCOMES and ASSESSMENTS*:

Upon completion of this course in the PN curriculum, the student will be able to:

1. **Safety**
Apply basic knowledge of safety related to pharmacotherapeutics.
2. **Clinical Decision Making**
Describe clinical decision making related to pharmacotherapeutics when providing nursing care in health care environments.
3. **Teamwork and Collaboration**
Discuss the roles of the health care team as it relates to pharmacotherapeutics.
4. **Professional Behavior**
5. Explain the importance of ethical and regulatory standards related to the handling and administration of pharmacotherapeutics.
6. **Patient-Centered Care**
7. Recognize the effect that age, gender, race, and weight have on pharmacotherapeutics within the human body.

COURSE LEARNING OUTCOMES and ASSESSMENTS*:

Module One: Identify the Basic principles of drug actions in the body

Materials covered: Watkins 1, 2, 3, 4, 5

Assessment(s): In class activity, unit exam, student portfolio, and demonstration

Learning Outcomes:

1. Define the role of the licensed practical nurse in administration of medication to a client.
2. Demonstrate the steps in medication administration.
3. Describe safety issues the nurse should review when administering medication.
4. Discuss the importance of clinical decision making when administering medications.
5. Discuss teamwork and collaboration in the safe administration of medications.

Module Two Determine one publication that may be used as a reference source for drug information

Materials covered: Watkins Chapter 2

Assessment(s): In class activity, unit exam, student portfolio

Learning Outcomes:

1. Acknowledge different resources for obtaining information about medications by adapting to resources found in different clinical sites.
2. Discuss ways to use these resource to make clinical decisions as a nurse.
3. Explain how use of reference sources to research drugs impacts the professional practice of the nurse.

Module Three: Calculate weight or capacity between the unit systems metric, apothecaries and household.

Materials covered: Watkins Chapter 7

Assessment(s): In class activity, unit exam, student portfolio

Learning Outcomes:

1. Memorize the components of the metric, apothecary, and household measurement systems.
2. Convert measurements between the metric, apothecary, and household measurement systems.
3. Determine safe abbreviations for measurement systems.
4. Discuss how ensuring accuracy when completing conversions among measurement systems ensures the safety of the client.

Module Four: Demonstrate basic math skills needed to calculate medication dosages correct Using metric, apothecaries and household measurement system.

Materials covered: Watkins Chapters 6, 8

Assessment(s): In class activity, unit exam, student portfolio

Learning Outcomes:

1. Calculate medication dosages.

2. Determine client need when a healthcare provider orders medication based on a range (For example: as needed medications)
3. Define basic concepts of safety when calculating drug dosages in a clinical area.
4. State if dosages ordered by physician is safe.
5. Locate the important identifying factors on a medication label.
6. Discuss role of calculating medications accurately when administering medications.

Module Five: Identify & define the routes of administration of medication

Materials covered: Watkins Chapters 9 and 10

Assessment(s): In class activity, unit exam, student portfolio, demonstration

Learning Outcomes:

1. Identifying routes for medication administration.
2. Compare the subcutaneous verses intramuscular sites.
3. Identify the landmarks for injections.
4. Compare the subcutaneous verses intramuscular sites.
5. Explain rationales for the most appropriate sites given varying clients (for example: thin/obese or adult/child).

Module Six: Discriminate between the actions of drugs in different classifications.

Materials covered: Watkins Chapters 11-21

Assessment(s): In class activity, unit exam, student portfolio

Learning Outcomes:

1. Identify the basic classification system of medications using a list presented in the text.
2. Discuss the mechanism of action, side effects, nursing consideration, and safety concerns related to a list of specific medications.
3. Demonstrate ability to complete a medication drug card for a list of specific medications.
4. Discuss the examples of patient centered care related to a list of specific medications.
5. Compare the actions of drugs that work on the same body system for selected drugs.

****Students – please refer to the Instructor’s Course Information sheet for specific information on assessments and due dates.***

Part III: Grading and Assessment

EVALUATION OF REQUIRED COURSE MEASURES/ARTIFACTS*

Students' performance will be assessed and the weight associated with the various measures/artifacts are listed below.

EVALUATION*

Tests (3 Unit Tests)	70%
Assignments	10%
Final Exam	20%
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	100%

****Students, for the specific number and type of evaluations, please refer to the Instructor's Course Information Sheet.***

GRADING SYSTEM:

A = 100 – 90, B = 89- 80, C = 79 – 77, D = 76 – 69, F=Less than 69

Unit tests and the final exam will be averaged at the end of the course. If the student achieves a 77 or greater, the weighted average for the exams (90%) and the quiz weighted average (10%) will be added together to calculate the final grade.

Grades earned in courses impact academic progression and financial aid status. Before withdrawing from a course, be sure to talk with your instructor and financial aid counselor about the implications of that course of action. Ds, Fs, Ws, WFs and Is also negatively impact academic progression and financial aid status.

The Add/Drop Period is the first 5 days of the semester for **full term** classes. Add/Drop periods are shorter for accelerated format courses. Please refer to the academic calendar for deadlines for add/drop ([ACADEMIC CALENDAR](#)). You must attend at least one meeting of all of your classes during that period. If you do not, you will be dropped from the course(s) and your Financial Aid will be reduced accordingly.

Part IV: Attendance

Horry-Georgetown Technical College maintains a general attendance policy requiring students to be present for a minimum of 80 percent (80%) of their classes in order to receive credit for any course. Due to the varied nature of courses taught at the college, some faculty may require up to 90 percent (90%) attendance. Pursuant to 34 Code of Federal Regulations 228.22 - Return to Title IV Funds, once a student has missed over 20% of the course or has missed two (2) consecutive weeks, the faculty is

obligated to withdraw the student and a student may not be permitted to reenroll. **Instructors define absentee limits for their class at the beginning of each term; please refer to the Instructor Course Information Sheet.**

For online and hybrid courses, check your Instructor's Course Information Sheet for any required on-site meeting times. Please note, instructors may require tests to be taken at approved testing sites, if you use a testing center other than those provided by HGTC, the center may charge a fee for its services.

Horry-Georgetown Technical College maintains a general attendance policy requiring students to be present for a minimum of eighty percent (80%) of his or her classes in order to be eligible to receive credit for any course. However, due to the varied nature of courses taught at the College, a more rigid attendance policy may be required by individual instructors. At a minimum, a student may be withdrawn from a course(s) after he or she has been absent in excess of ten percent (10%) of the total contact hours for a course. **Instructors define absentee limits for their class at the beginning of each term; please refer to the Instructor Course Information Sheet.**

For a 10 week course (summer) the allowed number of absences for courses meeting twice a week is 4 absences. After missing the maximum number of allowed absences a student will be dropped from the course with a W or a WF.

Online/Hybrid Attendance:

Students enrolled in distance learning courses (hybrid and online) are required to participate weekly in an Attendance Discussion Board or submit an assignment in order to demonstrate course participation. Students showing no activity in the course for two weeks will be withdrawn due to lack of attendance.

Part V: Student Resources



The Student Success and Tutoring Center (SSTC)

The SSTC offers to all students the following **free** resources:

- 1. Academic coaches** for most subject areas, **Writing Center Support**, and **college success skills.**
- 2. On-line student success and academic support resources.**

Visit the SSTC website: [Student Success & Tutoring Center](#) and visit the student services tab in your WaveNet account to schedule appointments using TutorTrac. For more information, call: SSTC

Conway, 349-7872; SSTC Grand Strand, 477-2113; and SSTC Georgetown, 520-1455 or go to the [Online Resource Center](#) to access on-demand resources any time.

TECH Central – Student Information Center



TECH Central provides quality enrollment and collegiate guidance for students, faculty, and staff. Services include phone, walk-in, and online technical support for technology training and troubleshooting. Additionally, we offer support in Office 365, Outlook E-mail setup, and ID cards.

Phone: 843-349-5340

Email: techcentral@hgtc.edu

Text: 843-357-8552

TECH Talk (Live Chat): Located on the "Home" tab in WaveNet.

Website: www.hgtc.edu/techcentral

Locations:

Conway Building 1100, Room 132D

Grand Strand Building 200, Room 136

Student Testing:

Testing in an **online/hybrid** course may be accomplished in a variety of ways:

- Test administered within D2L
- Test administered in writing on paper
- Test administered through Publisher Platforms

Further more tests may have time limits and/or require a proctor.

Proctoring can be accomplished either face-to-face at an approved site or online through RPNOW, our online proctoring service. To find out more about proctoring services, please visit the [Online Testing](#) section of the HGTC's Testing Center webpage.

The **Instructor Information Sheet** will have more details on test requirements for your course.

Disability Services:

HGTC is committed to providing an accessible environment for students with disabilities. Inquiries may be directed to Beth Havens, Director of Student Development on the Conway Campus Jaime Davis, Counselor/Advisor on the Georgetown Campus or Kristin Griffin, Counselor on the Grand Strand Campus. These individuals will review documentation of the student's disability and, in a confidential setting with the student, develop an educational accommodation plan.

Note: It is the student’s responsibility to self-identify as needing accommodations and to provide acceptable documentation. After a student has self-identified and submitted documentation of a disability, accommodations may be determined, accepted, and provided.

Statement of Equal Opportunity/Non-Discrimination Statement

Horry-Georgetown Technical College prohibits discrimination and harassment, including sexual harassment and abuse, on the basis of race, color, sex, national or ethnic origin, age, religion, disability, marital or family status, veteran status, political ideas, sexual orientation, gender identity, or pregnancy, childbirth, or related medical conditions, including, but not limited to, lactation in educational programs and/or activities.

Inquiries regarding the non-discrimination policies: Students and prospective student inquiries concerning Section 504, Title II, and Title IX and their application to the College or any student decision may be directed to the Vice President for Student Affairs, Dr. Melissa Batten, VP Student Affairs, Title IX Coordinator, Building 1100, Room 107A, Conway Campus, PO Box 261966, Conway, SC 29528-6066, 843-349-5228, Melissa.Batten@hgtc.edu. Employee and applicant inquiries concerning Section 504, Title II, and Title IX and their application to the College may be directed to the Vice President for Human Resources, Jacquelyne Snyder, VP Human Resources, Section 504, Title II, and Title IX Coordinator, Building 200, Room 212A, Conway Campus, PO Box 261966, Conway, SC 29528-6066, 843-349-5212, Jacquelyne.Snyder@hgtc.edu.

Title IX Requirements

All students (as well as other persons) at Horry-Georgetown Technical College are protected by Title IX—regardless of their sex, sexual orientation, gender identity, part- or full-time status, disability, race, or national origin—in all aspects of educational programs and activities. Any student, or other member of the college community, who believes that he/she is or has been a victim of sexual harassment or sexual violence may file a report with the college’s Chief Student Services Officer, campus law enforcement, or with the college’s Title IX Coordinator, or designee.

*Faculty and Staff are required to report incidents to the Title IX Coordinators when involving students. The only HGTC employees exempt from mandatory reporting are licensed mental health professionals (only as part of their job description such as counseling services).

Inquiries regarding the non-discrimination policies:	
Student and prospective student inquiries concerning Section 504, Title II, and Title IX and their application to the College or any student decision may be directed to the Vice President for Student Affairs.	Employee and applicant inquiries concerning Section 504, Title II, and Title IX and their application to the College may be directed to the Vice President for Human Resources.

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