Course Title: NSG 215 Pharmacotherapeutics I

Credits: 1 Credit

Course Description: Principles of pharmacology and specific drug groups are explored. An emphasis is placed on pharmacotherapeutics, pharmacokinetics, and pharmacodynamics.

Pre-Requisite Courses: NSG200, NSG214

Co-Requisite Courses: NSG210, NSG 211

Placement: Third Semester, Spring Sophomore

Faculty: Dr. Jacqueline Stewart

Textbooks/Materials

Recommended Textbooks/Materials: Nursing Central (online) at www.unboundmedicine.com

Includes online access to the following resources on the mobile platform:
Course Outcomes: At the end of this course the student will:
1. Demonstrate knowledge and use of nursing process as it applies to:
   a. Major classifications of medications
   b. Identification of appropriate sources of medication information
   c. Factors which influence selection of a medication/medication class
   d. General strategies to maximize the therapeutic effect and minimize adverse effects of medication therapy
   e. The role of the nurse in medication therapy
2. Demonstrate an entry level of clinical reasoning as it relates to medication therapy
3. Exhibit accountability and responsibility for self-directed learning behaviors as an adult-learner.
4. Apply relevant and current evidence from nursing literature as it relates to medication management

Teaching Strategies: The following teaching strategies may be utilized:
1. Lecture
2. PowerPoint
3. Case Study

Description: University Mission:
To continue the Wilkes tradition of liberally educating our students for lifelong learning and success in a constantly evolving and multicultural world through a commitment to individualized attention, exceptional teaching, scholarship and academic excellence, while continuing the University’s commitment to community engagement.

Passan School of Nursing Mission:
The mission of the Passan School of Nursing is to promote interprofessional practitioners of nursing, who provide quality health care in a constantly evolving multicultural world, engage in lifelong learning, and expand nursing science through scholarship, technology, and academic excellence, while engaging in community service

Requirements and Evaluation Components: Assessment of the student’s progress is an ongoing process involving the student and instructor. The final grade is the composite of the theoretical.

The stated course outcomes serve as the basis of evaluation. Course evaluation tools vary and may include unit quizzes, unit exams, a final exam, term project, and written assignments.
Tests will be objective and/or subjective. Tests will include materials from lectures, readings, and CNSC assignments (Specific to Physical Assessment). If a discrepancy exists among resources, the required textbook is considered the final authority on the subject.

Unannounced quizzes and assignments may be given at any time and additional readings may be assigned.

All unit and final exams must be taken on the scheduled dates. Test dates are subject to change with adequate notification by faculty. If a student is unable to be present for an exam, the student must contact the instructor prior to the exam for permission to miss the exam. If this is not done, a makeup examination will not be given and the test score will result in a “0”.

**Equivalence of grades:**
The theory grade is determined by the following:

4.0 = 92 – 100%
3.5 = 88 – 91%
3.0 = 84 – 87%
2.5 = 79 – 83%
2.0 = 75 – 78%
1.5 = 70 – 74%
1.0 = 65 – 69%
0.0 = less than 65%

**PROGRESSION POLICY**
In order to progress **INTO** clinical nursing courses, students must:

- Complete the ATI/TEAS test exam
  - Wilkes University’s Passan School of Nursing requires that the student score 58.7 or higher, including the Accelerated Baccalaureate students.
- Earn a 2.5 or better in all prerequisite nursing courses:
  - BIO 113 (Microbiology); BIO 115, and 116 (Anatomy and Physiology I and II); CHM 111 (Fundamentals of Chemistry); and ENG 101 (Composition).
- Maintain an overall Grade Point Average (GPA) of 2.5 or greater.

In order to progress **THROUGH** the nursing curriculum, all nursing majors must:
Earn a 2.5 or better in all nursing courses.
Earn a 2.5 or better in all required science courses.
Meet expected outcomes in all nursing courses.
  - A nursing student who earns less than a 2.5 in a nursing course may repeat that course once.
    - A nursing student who earns less than a 2.5 in a second nursing course is ineligible to continue in the nursing program.
  - Maintain an overall Grade Point Average (GPA) of 2.5 or greater.

The theory grade will be determined as follows:
- Mid-term Exam: 40%
- Final Exam: 40%
- Quizzes: 20%

Course Policies:
The link for the Passan School of Nursing Handbook is:

All students are required to read and submit an attestation document at the beginning of each academic year. Students must adhere to all policies in the Passan School of Nursing Handbook.

Professionalism:
Please see policy in the Passan School of Nursing Student Handbook.

Attendance:
The faculty and staff of the Passan School of Nursing understand that the student is an adult learner. Attendance is required at all classes.

Dress Policy:
Please see policy in the Passan School of Nursing Student Handbook.
**Academic Honesty:**
At Wilkes the faculty and the entire University community share a deep commitment to academic honesty and integrity. The following are considered to be serious violations and will not be tolerated:

1. Plagiarism: the use of another’s ideas, programs, or words without proper acknowledgement.
2. Collusion: improper collaboration with another in preparing assignments, computer programs, or in taking examinations.
3. Cheating: giving improper aid to another, or receiving such aid from another, or from some other source.

Any student who violates the Intellectual Responsibility and Plagiarism Policy will fail the course.

**Communication Policy:**
Please see policy in the Passan School of Nursing Student Handbook.

**Taping:**
The School of Nursing adheres to all university policies on academics published in the Wilkes University Student Handbook. In addition, the student is advised to read and comply with the policies of the School of Nursing published in the Nursing Student Handbook as noted online. Students are not permitted to tape lectures without specific permission from the instructor.

**Completion of Required Clinical Nursing Simulation (CNSC) Requirements:**
Please see policy in the Passan School of Nursing Student Handbook.

**Examination Policy & Procedure:**
Please see policy in the Passan School of Nursing Student Handbook.

**Medication Proficiency Policy:**
Please see policy in the Passan School of Nursing Student Handbook.

**Assignment Due Dates:**
Please see policy in the Passan School of Nursing Student Handbook.

**Academic Support:**
If a student earns a grade of less than 79% on any exam, the student is expected to meet with the course instructor. The student may also be asked to meet with the Retention and Remediation Coordinator. At the time of midterm, the student is strongly advised to discuss their academic concerns, if any, with their nursing advisor, course instructor, and Retention & Remediation Coordinator. The student may be referred to University College, located in Conyngham Hall, for academic support services (i.e. peer tutoring, test taking support, time management, note taking, and study skills).

Clinical Requirements and Evaluations of Components:

Attendance at all clinical experiences is required. Refer to School of Nursing Student handbook Guidelines Governing Attendance at the Clinical Experience.

All written assignments must be satisfactorily completed in order to pass the clinical component of the course. Students who do not satisfactorily complete assignments at the appropriate time will jeopardize their satisfactory completion of the clinical component of the course.

Clinical Skill Checklist:

Each student will receive his/her clinical skills checklist during the first day of class for all incoming students. The nursing student is responsible for bringing the checklist to each clinical experience throughout the nursing program. The clinical instructor will be responsible for initialing and dating the skills when first accomplished and at the point of proficiency. The clinical instructor and student will review the form for completeness and accuracy at the time of each clinical evaluation. The student is responsible for maintaining the hard copy of the clinical skills checklist throughout the program. A scanned copy will be submitted to an electronic drop box at the completion of the clinical rotation.

Student Community Service Requirement:

Please see policy in the Passan School of Nursing Student Handbook.

Policy on Integrated Testing Program:

All students are required to complete the Integrated Testing Program administered by the School of Nursing.

Please see policy in the Passan School of Nursing Student Handbook.

Course Examinations:

Please see policy in the Passan School of Nursing Student Handbook.
Advisement: Every nursing major is assigned a faculty advisor within the Passan School of Nursing. Students must check the roster as posted in the Passan School of Nursing.

Please see policy in the Passan School of Nursing Student Handbook.
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<tr>
<th>Module</th>
<th>Topic/Content</th>
<th>Student Learning Outcomes</th>
<th>Resources</th>
<th>Assessment Activities</th>
<th>Course Outcomes</th>
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<tr>
<td>1</td>
<td>Introduction</td>
<td>• Discuss course requirements.</td>
<td>Book Chapters</td>
<td>Read: Chapter</td>
<td>1</td>
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<tr>
<td>2</td>
<td>Application of Pharmacology in Nursing Practice</td>
<td>• Discuss the role of the nurse in pharmacotherapeutics</td>
<td>Book Chapters</td>
<td>Read: Chapter</td>
<td>1, 2, 3, 4</td>
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<td>3</td>
<td>Sources of Drug Information</td>
<td>• Identify sources of drug information.</td>
<td>Book Chapters</td>
<td>Read: Chapter</td>
<td>1, 2, 3, 4</td>
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<td>4</td>
<td>Phases of Drug Development</td>
<td>• Describe the process of new drug development.</td>
<td>Book Chapters</td>
<td>Read: Chapter</td>
<td>1, 2, 3, 4</td>
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<td>5</td>
<td>Drug Standards and Legislation</td>
<td>• Discuss legislative acts, legal standards, and precedents related to drug therapy.</td>
<td>Book Chapters</td>
<td>Read: Chapter</td>
<td>1, 2, 3, 4</td>
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<td>6</td>
<td>Resource Allocation</td>
<td>• Discuss the methods through which patients can obtain medications.</td>
<td>Book Chapters</td>
<td>Read: Chapter</td>
<td>1, 2, 3, 4</td>
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<td>7</td>
<td>Cost/Benefit Cost/Effectiveness</td>
<td>• Describe evaluation of the effectiveness of pharmacotherapeutics.</td>
<td>Book Chapters</td>
<td>Read: Chapter</td>
<td>1, 2, 3, 4</td>
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<td>8</td>
<td>Pharmacokinetics</td>
<td>• Examine the pharmacokinetics and the pharmacotherapeutics.</td>
<td>Book Chapters</td>
<td>Read: Chapter</td>
<td>1, 2, 3, 4</td>
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<td>9</td>
<td>Pharmacodynamics</td>
<td>• Understand the pharmacodynamics and pharmacokinetic changes related to age in older adults.</td>
<td>Book Chapters</td>
<td>Read: Chapter</td>
<td>1, 2, 3, 4</td>
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<td>10</td>
<td>Evaluation of effectiveness</td>
<td>• Understand the relevance of the Beers criteria to medication</td>
<td>Book Chapters</td>
<td>Read: Chapter</td>
<td>1, 2, 3, 4</td>
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</table>
| 11 | Autonomic Nervous System | ▪ Differentiate between sympathetic and parasympathetic nervous systems.  
▪ Discuss classes of drugs:  
1. Adrenergic agonist  
2. Anti-adrenergic  
3. Cholinergic  
4. Anti-cholinergic  
▪ Discuss nursing considerations in the use of drugs which affect the autonomic nervous system. | Book Chapters | Read: Chapter 1, 2, 3, 4 |
| 12 | Central Nervous System | ▪ Discuss the effect of drugs on the function of the CNS.  
▪ Discuss classes of drugs:  
1. Analgesics  
2. Anxiolytics, Hypnotics  
3. CNS depressants/stimulants  
4. Narcotics, anti-migraine agents  
5. Anticonvulsants  
6. Antiparkinsonian agents  
7. Skeletal muscle relaxants  
8. Neuromuscular blocking agents  
▪ Discuss nursing considerations in the use of drugs which affect the CNS. | Book Chapters | Read Chapter 1, 2, 3, 4 |
| 13 | Ocular System | • Discuss the effect of drugs on the ocular system.  
    • Discuss the use of drugs in the management of ocular disorders.  
    • Discuss nursing considerations in the use of drugs which affect the ocular system. | Book Chapters | 1, 2, 3, 4 |