



Pharmacology II NURS 123 Course Syllabus_rev 08 15 2021

Basic Course Information

Semester:	FALL 2021	Instructor Name:	Julie Kunath MS APRN AGPCNP-AG AACNS-AG CCRN- CMC
Course Title & #:	Pharmacology II NURS 123	Email:	Julie.kunath@imperial.edu
CRN #:	10545	Webpage (optional):	CANVAS
Classroom:	ONL-ZM	Office #:	Available via Zoom, Pronto, Text, etc.
Class Dates:	August 16 – December 11, 2021	Office Hours:	Tuesdays 8:30-9:30am, Wednesdays 5:30am-6am, Thursdays 3pm-5pm, Fridays 7-7:30am
Class Days:	ONL-ZM Monday	Office Phone #:	(760) 355 - 6422
Class Times:	ONL-ZM 1:15pm	Emergency Contact:	Nursing Office (760) 355 - 6348
Units:	1.5	Class Format:	ONL-ZM

Course Description

The course addresses the principles of medication therapy for acute and complex conditions including the effects, actions, algorithms and recommended use of drugs in the treatment of complex patient problems. Safe administration practices and reduction of medication errors will be covered. The student will learn to manage complex medication administration through various routes including intravenous routes. Nursing actions and rationale for nursing actions are explored. Clinical application is integrated into the clinical nursing courses.

Course Prerequisite(s) and/or Corequisite(s)

Prerequisites: Nursing 109 Pharmacology I

Corequisites: Nursing 127 Medical Surgical Nursing I

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

1. identify the mechanism of action, use, side effects, and nursing interventions of medications for the CNS, cardiovascular, pulmonary, immune, reproductive and endocrine systems and for anti-infective, oncological, and allergic response medications by passing the final with a 78% or better score.

Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. Describe the anatomy and physiology of the CNS, cardiovascular, pulmonary, immune, reproductive, and endocrine systems.

2. Discuss the rationale and benefits of the major classifications of medications by the system they affect and considering oral versus infusion therapy.
3. Discuss the mechanism of action, use, side effects, and nursing interventions of medications for the CNS, cardiovascular, pulmonary, immune, reproductive, and endocrine systems.
4. Explain legal implications related to medication administration by the major classifications of medications covered; i.e. CNS, cardiovascular, pulmonary, immune, reproductive and endocrine systems.
5. Describe the major classifications of medications as they relate to specific body systems for clients of all ages with acute and complex conditions.
6. Demonstrate understanding of cultural-psychosocial aspects of client care related to patient teaching compliance in administration of the major classifications of medication.

Textbooks & Other Resources or Links

- Ernstmeyer, K. and Christman, E. (Eds.). (2020). *Open RN Nursing Pharmacology* by [Chippewa Valley Technical College](#) licensed under [CC BY 4.0](#).
 - ISBN 13: 978-1-73491-411-5. (Print copy is not required)
 - FlexEd Courseware
- Velarde, G. (2019, May 20). [Pharmacology Notes: Nursing Implications for Clinical Practice](#). OER Commons. (Supplemental)
- Shadow Health pharmacology module
- RN Pharmacology for Nursing. ATI nursing education. (Content Mastery Series: Review Module)
- ATI: Pharmacology Made Easy (online within ATI package)
- Brunners MedSurg Text

Course Requirements and Instructional Methods

A. Hours

NURS 123 is a 1.5 unit theory course. Synchronous sessions will be held once a week. A minimum requirement of 4.5 hours of class preparation will be expected each week.

B. Assignments:

Reading, videos, internet resources, and writing assignments are required. Students will be expected to read, understand, and critique information from college level textbooks, nursing journals, or equivalent. Additional reading assignments will be required to supplement textbook material. Writing assignments will reflect the objectives listed and may include, but not be limited to, short essays, posters, and/or professional papers. Outside assignments including but not limited to nursing lectures, independent exercises, and online learning activities may be assigned and are required.

Plagiarism and cheating policies noted in the student handbook and IVC policies will be strictly enforced. Students are expected to develop original work for this course.

Schedule may change at the discretion of the instructor, taking into account the progress of students with the materials. Any change will be announced in class or via email through Canvas. **Students are held responsible for all materials covered in the syllabus and for any changes that are announced in class, sent by email or announced through Canvas.**

It is recommended that if a grade falls below 82% that the student arrange to meet with the faculty member. Faculty can be reached in person (limited), by email, by Zoom appt or during office hours via Zoom to discuss grades or other classroom matters.

The student is responsible for withdrawing (W) from the class before the deadline as outlined on your registration forms. **Failure to pass this class will affect your ability to progress to the next semester.** Students failing or withdrawing must complete a Petition to Re-Enter.

Course Grading Based on Course Objectives

Students must maintain a “C” average grade as determined by the scale below:

- A = 93-100%
- B = 85-92%
- C = 78-84%
- F = Below 78%

Grades will not be “rounded”. To advance to the next semester, a “C” or better is required in this course and the co-requisite courses. **The course grade will be computed as follows: 10% from homework/assignments, 10% from quizzes (in class, take-home, or online), 45% will come from an average of the three exams prior to the final exam, and 35% of the course grade will come from the final exam.**

Homework/assignments/ATI	10%	
Quizzes	10%	
Exam 1	15%	
Exam 2	15%	
Exam 3	15%	
Final Exam	35%	
Total	100%	

All of the following must be attained to successfully pass this course:

- a. **Theory (exams) grade** must have a **total equivalent of 78% or greater.** This requirement must be met in order to progress to the Final Exam.
- b. **Final Theory Exam score** must be passed at a **78% or greater.**
- c. **Total grade calculation** must be passed at a **78% or greater.**
- d. **Attendance** requirements as noted below **must be met.**

Testing will include no more than 3 examinations in addition to written, demonstration, and oral assignments, and a final examination. Pop quizzes may be included. **EXCEPT FOR UNDER EXTREME CIRCUMSTANCES, THERE WILL BE NO MAKE-UPS FOR TESTS OR QUIZZES MISSED DUE TO ABSENCE.**



IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit <http://www.imperial.edu/studentresources> or click the heart icon in Canvas.

Anticipated Class Schedule/Calendar

*****Tentative, subject to change without prior notice*****

Reading and assignments due before class are to be completed so that you may be an active participant in synchronous class sessions and class activities.

DATE/ WEEK FALL 2021	ACTIVITY, ASSIGNMENT, AND/OR TOPICS	READING: Nursing Pharmacology and/or Pharm Notes for Clinical	PRE-CLASS ASSIGNMENTS & RECOMMENDED REVIEW:ATI, DRUG CARDS, ETC
Week 1 08/16–08/20	Introductions/Syllabus Tips to Succeed in Pharm -Seizures Overview and Management -CNS stimulants and depressants -Antidepressants Overview -Bipolar Disorder & mood-stabilizing drugs Overview -Anxiety Disorders Overview and Management	Chapter VIII CNS (8.1 – 8.10) Unit D: CNS Pharmacology (Mental Health & Neurologic/ Neuromuscular Dz)	ATI Pharm Made Easy: Central Nervous System/Neurological Module Review Neurological/ Psychological Diseases Patho Review Physiology of CNS Review Proto-type Drugs
Week 2 08/23–08/27	Upper & Lower Respiratory Drugs Tuberculosis Management	Chapter V: Respiratory & Chapter III: Antimicrobials – only section 3.19 Anti-tuberculars Unit I: Resp Sys Pharm Unit F: Immune System Drugs to treat infections – only Anti-tubercular/ Antimycobacterials section	ATI Pharm Made Easy: Respiratory Module 100% Review Pulmonary Diseases Patho Review Antihistamine response Patho Review Tuberculosis Brunners MedSurg
Week 3 08/30-09/03	Drugs for Spasticity Drugs for Localized Muscle Spasm Other Centrally Acting Muscle Relaxants Management of Insomnia	Unit D: CNS Pharm (Neuro/Neuromuscular)	ATI Pharm Made Easy: Neuro & musculoskeletal sections that cover this week's reading content Review Neuromuscular Diseases Patho



	& Use of Sedative-Hypnotic Drugs		ATI Pharm Practice Quiz
Week 4 09/07-09/10 9/06/2021 HOLIDAY NO CLASSES	EXAM 1: All content from weeks 1, 2, & 3		Exams will be scheduled in Canvas using proctor monitoring system.
Week 5 09/13-09/17	Cyclooxygenase Inhibitors: NSAIDs and Acetaminophen Arthritis/Gout	Chapter X: Analgesic & Musculoskeletal Unit E: Skeletal System/ Joint Pharmacology	ATI Pharm Made Easy: Pain/Inflammation – sections that cover this week’s readings. Review Musculoskeletal Diseases Patho
Week 6 09/20-09/24	Parkinson Disease and Management Alzheimer’s Disease and Management	Chapter VIII: section 8.11 Anti-Parkinsons Meds Unit D: CNS Pharm -Anti-Parkinson Agents -Anti-Alzheimers Agents	ATI Pharm Made Easy: Neuromuscular PD Case Study Review Parkinson & Alzheimer’s Diseases Patho
Week 7 09/27-10/01	GI PUD meds, Anti-diarrheal & laxatives, anti-emetics	Chapter VII Gastrointestinal Unit G: Digestive System Pharm	ATI Pharm Made Easy: Gastrointestinal Module 100% Review GI Diseases Patho ATI Practice Exam
Week 8 10/04-10/08	EXAM 2: Majority of content will be on weeks 5, 6, & 7.		Exam 2 will be on Canvas



Week 9 10/11-10/15	Cardiovascular Drugs Heart Failure		ATI Pharm Made Easy: Cardiovascular Review Cardiovascular Diseases Patho Review Cardiovascular and Renal Physiology
Week 10 10/18-10/22	Angina/MI/Coagulation Dysrhythmias/Shock		ATI Pharm Made Easy: Cardiovascular & Hematology Review Cardiovascular Diseases Patho Quizlet Review
Week 11 10/25-10/29	Hematopoietic Disorders and Management		ATI Pharm Made Easy: Hematology sections that cover reading content Review Anemia Patho Review Hematopoietic Physiology and Pathophysiology
Week 12 11/01-11/05	EXAM 3: Majority of content will be on weeks 9, 10, & 11.		
Week 13 11/08-11/12 11/11/2021 HOLIDAY NO CLASSES	Chemotherapy of Infectious Disease Canvas Review Assignment on Antimicrobial Therapy		ATI Pharm Made Easy: Antimicrobials and all sections that correlate with reading content Review Infectious Diseases Patho ATI Comprehensive Exam 1
Week 14 11/15-11/19	Chemotherapy of Infectious Disease Anti-virals, Anti-fungals, STI management		ATI Pharm Made Easy: Anti-viral, fungal, STIs (in Infection Module) Review Sexually Transmitted Diseases Patho



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			Review Fungal and Viral Infections Patho ATI Comprehensive retake
THANKSGIVING	NO CLASSES		
Week 15 11/29-12/03	Endocrine		ATI Pharm Made Easy: Endocrine Review Endocrine Diseases Patho ATI Comprehensive Exam 2
Week 16 12/06-12/10	Final Exam: Cumulative Exam: 50% of content will be from weeks 13, 14, & 15.		

*****Subject to change without prior notice*****