

**STATE UNIVERSITY OF NEW YORK
COLLEGE OF TECHNOLOGY
CANTON, NEW YORK**



MASTER SYLLABUS

NURS 104 Pharmacology II
Spring 2025

CIP Code: 51.3801

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SCHOOL OF SCIENCE, HEALTH & CRIMINAL JUSTICE
Nursing
Spring 2025

A. TITLE: Pharmacology II

B. COURSE NUMBER: NURS 104

C. CREDIT HOURS (Hours of Lecture, Laboratory, Recitation, Tutorial, Activity):

Credit Hours: 1

Lecture Hours 1 per Week

Lab Hours: NA

Clinical Hours: NA

1 credit hour = 50 minutes of lecture per week for 15 weeks.

Course Length (# of Weeks): 15

D. WRITING INTENSIVE COURSE: No

E. GER CATEGORY: NA

F. SEMESTER(S) OFFERED: Spring

G. COURSE DESCRIPTION: This pharmacology course explores the various classifications of drugs, and their associated nursing care. Drugs used to treat psychiatric, reproductive, obstetrics, those commonly used for maternal and newborn care, psychiatric, analgesics, and those commonly used in mental health care will specifically be discussed.

H. PRE-REQUISITES:

NURS 101 Fundamentals of Nursing

NURS 103 Pharmacology I

NURS 105 Nursing Seminar

BIOL 217 Human Anatomy and Physiology I

ENG 101 Composition and the Spoken Word

CO-REQUISITES:

NURS 106 Maternal Newborn Nursing

NURS 107 Mental Health Nursing

BIOL 218 Human Anatomy & Physiology II

PSYC 101 Introductory Psychology

I. STUDENT LEARNING OUTCOMES:

<u>Course Student</u> <u>Learning Outcome</u> <u>[SLO]</u>	<u>PSLO</u>	<u>GER</u>	<u>ISLO</u>	<u>EPSLO</u>

Apply the nursing process, critical thinking, ethical principles and legal standards in the provision of nursing care to promote health.	Students will apply acquired critical reasoning skills to develop, implement, and evaluate a nursing care plan.		Critical Thinking-Critical Analysis	Utilize critical thinking and evidence-based practice to assess, analyze, and respond to complex patient care situations, demonstrating sound clinical judgment and a commitment to quality and safety in nursing practice.
Compare and contrast the life span changes that effect the safe administration of medications. Demonstrate understanding of terminology associated with pharmacology. Develop a framework for professional nursing practice that includes specific measures to prevent medication errors.	Students will maintain ethical, legal, and professional responsibilities within the Registered Nurse scope of practice and will effectively analyze and apply professional, legal, and ethical standards consistent with the Registered Nurse in conduct and care.		Social Responsibility-Ethical Reasoning	Students demonstrate the ability to assess ethical values and the social context of problems, recognize ethical issues, think about how different ethical perspectives might be applied to dilemmas, and consider the ramifications of decisions and actions.
Compare and contrast the life span changes that effect the safe administration of medications. Demonstrate understanding of terminology associated with pharmacology. Discuss measures that provide for the safe administration of drugs.	Students will consistently analyze and apply standards of nursing practice in functioning with integrity as a safe entry level nurse.		Industry, Professional, Discipline-Specific Knowledge and Skills	The RN student will prioritize patient needs, implement appropriate nursing interventions within their scope, evaluate care effectiveness, and collaborate with healthcare teams to enhance patient care outcomes,

				all within ethical and legal practice boundaries of the RN licensure.
Demonstrate foundational pharmacological skills by accurately calculating medication dosages, preparing and administering medications safely, and monitoring for therapeutic and adverse effects in alignment with evidence-based nursing practice	Students will integrate legal and ethical concepts in the nursing role to advance and promote the health and well-being of culturally diverse individuals, families, groups and communities.		Foundational Skills	The RN student will be able to demonstrate proficiency in foundational nursing skills essential for care that is safe, holistic, effective, and patient-centered across the lifespan.
Utilize effective communication techniques to educate patients, families, and members of the healthcare team about pharmacological therapies, including medication purposes, administration, potential side effects, and adherence strategies, to promote safe and collaborative care.	Students will utilize the nursing process to meet the caring needs of individuals experiencing an illness or loss dysfunction.		Communication	By the end of the Registered Nursing (RN) program, the student will be able to demonstrate effective communication strategies to document and deliver written and oral communications that are developmentally appropriate, culturally sensitive, and comprehensive in conveying all required information to patients, families, and healthcare team members.

ISLO #	ISLO & Subsets
1	Communication Skills Oral [O], Written [W]
2	Critical Thinking <i>Critical Analysis [CA], Inquiry & Analysis [IA], Problem Solving [PS]</i>
3	Foundational Skills <i>Information Management [IM], Quantitative Lit./Reasoning [QTR]</i>
4	Social Responsibility <i>Ethical Reasoning [ER], Global Learning [GL], Intercultural Knowledge [IK], Teamwork [T]</i>
5	Industry, Professional, Discipline Specific Knowledge and Skills

J. APPLIED LEARNING COMPONENT: Yes X No _____

If Yes, select one or more of the following categories:

Classroom/Lab <u>X</u>	Civic Engagement _____
Internship _____	Creative Works/Senior
Project _____	
Clinical Practicum _____	Research _____
Practicum _____	Entrepreneurship _____
Service Learning _____	(program, class, project)
Community Service _____	

K. TEXTS: ATI Bundle

L. REFERENCES: None

M. EQUIPMENT: technology enhanced classroom

N. GRADING METHOD: A-F

***A grade of C+ or better** is required for successful completion of all nursing courses and a grade of C or better is required for all co-requisite courses to continue in the program. **There is no rounding of grades.**

O. SUGGESTED MEASUREMENT CRITERIA/METHODS:

Exams
Final Exam
ATI Proctored Exams (2)
Quizzes
Homework Assignments

P. DETAILED COURSE OUTLINE:

I. Drugs used for/after Pregnancy.

- a. Female Infertility
 - b. Oxytocic's
 - c. Tocolytics
 - d. Abortifacients
 - e. Glucocorticoids
 - f. Antibiotics
- II. Drugs used for Male and Female Reproduction
 - a. Androgens
 - b. Anti-prostatic Agents
 - c. Hormone Replacement Therapy
 - d. Emergency and Oral Contraceptives
- III. Drugs for Controlling Pain, Fever, and Inflammation
 - a. Opioid (narcotic) Agents
 - b. Nonsteroidal Anti-Inflammatory Agents
- IV. Antipyretic Therapy Drugs used for Local/General Anesthesia
 - a. Local Anesthetics
- V. Medications for Anxiety and Insomnia
 - a. Benzodiazepines
 - b. Barbiturates
- VI. Depression medications
- VII. Bipolar medications
- VIII. Medications for Psychotic Disorders
- IX. Medications for Children & Adolescents
- X. Medications for Substance & Addiction Disorders

Q. LABORATORY OUTLINE: N/A