

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



COURSE OUTLINE

NURS 104 Pharmacology II

Prepared By: John Conklin

**SCHOOL OF SCIENCE, HEALTH, AND CRIMINAL JUSTICE
NURSING DEPARTMENT
April 2015**

- A. **TITLE:** Pharmacology II
- B. **COURSE NUMBER:** NURS 104
- C. **CREDIT HOURS:** 1
- D. **WRITING INTENSIVE COURSE:** No
- E. **COURSE LENGTH:** 15 weeks
- F. **SEMESTER(S) OFFERED:** spring
- G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:** 1 hour of lecture per week. Note: 1 credit= 50 minutes of lecture per week
- H. **CATALOG DESCRIPTION:** This pharmacology course explores the various classifications of drugs, and their associated nursing care. Drugs used to treat psychiatric, reproductive, bone/joint disorders, analgesics, and those commonly used during pregnancy will specifically be discussed.
- I. **PRE-REQUISITES/CO-REQUISITES:**
- PRE/CO-REQUISITES:**
- NURS 101: Fundamentals of Nursing
 - NURS 103: Pharmacology I
 - NURS 106: Maternal Child Nursing
 - NURS 107: Mental Health Nursing
- J. **GOALS (STUDENT LEARNING OUTCOMES):**
By the end of this course, the student will be able to:

<u>Course Student Learning Objective (SLO)</u>	<u>Institutional SLO</u>
a. Apply the nursing process to case studies involving patients receiving drugs used to treat psychiatric, reproductive, bone/joint disorders, analgesics, and those commonly used during pregnancy.	Communication Critical Thinking Professional Competence Inter/Intrapersonal Skills
b. Identify major classifications of pharmacotherapeutics by prototypes as used in the treatment of commonly occurring health challenges for each major classification of drugs.	Critical Thinking Professional Competence Inter/Intrapersonal Skills
c. Analyze various medications for drug-drug, drug-food, and drug-herbal interactions that may contribute to negative patient outcomes.	Communication Critical Thinking Professional Competence Inter/Intrapersonal Skills

K. TEXTS:

Frandsen, G., & Smith Pennington, S. (2013). *Abrams' clinical drug therapy*, (10th Ed.). Philadelphia, PA: Wolters Klowers/Lippincott Williams & Wilkins.

Frandsen, G. (2013). *PrepU for Frandsen's Abrams' clinical drug therapy*. (10th Ed.). Philadelphia, PA: Wolters Klowers/Lippincott Williams & Wilkins.

L. REFERENCES: none

M. EQUIPMENT: technology enhanced classroom, portable computer with internet access

N. GRADING METHOD: A-F

O. MEASUREMENT CRITERIA/METHODS:

- Exams
- Quizzes
- Discussion Boards

P. DETAILED COURSE OUTLINE:

I. Drugs Used for Treating Substance Abuse

A. Overview of Substance Abuse

i. Physical vs. Psychological Dependence

ii. Withdrawal syndrome

iii. Tolerance

iv. Commonly Abused Drugs

1. CNS Depressants

2. Cannabinoids

3. Hallucinogens

4. CNS Stimulants

5. Nicotine

6. Alcohol

B. Medications used in Treating Substance Abuse

C. Nursing Care of Patients Prescribed Medications used in Substance Abuse Treatment

II. Drugs Affecting the Autonomic Nervous System

A. Adrenergic Agents

B. Adrenergic Blocking Agents

C. Cholinergic Agents

D. Cholinergic Blocking Agents

III. Drugs for Anxiety and Insomnia

A. Benzodiazepines

B. Barbiturates

IV. Drugs for Emotional and Mood Disorders

A. Antidepressants

B. Drugs for Bipolar Disorder

- C. Drugs for Attention Deficit-Hyperactivity Disorder
- V. Drugs for Psychoses
 - A. Phenothiazines
 - B. Nonphenothiazines
 - C. Atypical Antipsychotic Agents
- VI. Drugs used for/after Pregnancy
 - A. Female infertility
 - B. Oxytocics
 - C. Tocolytics
 - D. Uterine abnormalities
- VII. Drugs used for Male and Female Reproduction
 - A. Androgens
 - B. Antiprostatic Agents
 - C. Hormone Replacement Therapy
 - D. Emergency and Oral Contraceptives
- VIII. Drugs for Controlling Pain, Fever, and Inflammation
 - A. Opioid (Narcotic) Agents
 - B. Nonsteroidal Anti-inflammatory Agents
 - C. Triptan Therapy for Migraine
 - D. Glucocorticoids (Prednisone)
 - E. Antipyretic Therapy
- IX. Drugs used to Treat Bone/Joint Disorders
 - A. Calcium supplements
 - B. Bisphosphonates
 - C. Estrogen Receptor Modulators
 - D. Calcitonin
 - E. Colchicine Inhibitors
 - F. Hormone Replacement Therapy
- X. Drugs used for Local/General Anesthesia
 - A. Local Anesthetics
 - B. General Anesthetics

Q. **LABORATORY OUTLINE:** NA