

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



**COURSE OUTLINE  
NURS 204 Pharmacology IV**

**Prepared By: John Conklin**

**SCHOOL OF SCIENCE, HEALTH AND CRIMINAL JUSTICE  
Nursing Department  
April 2015**

- A. **TITLE:** Pharmacology IV
- B. **COURSE NUMBER:** NURS 204
- 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 each week. Note: 1 credit= 50 minutes of lecture per week
- H. **CATALOG DESCRIPTION:** This course explores nursing care associated with the classifications of drugs used to treat cardio-vascular, blood, sensory, neurological, immune, and skin disorders. In addition, drugs used in the emergency setting will be examined.
- I. **PRE-REQUISITES/CO-REQUISITES:**  
 NURS 200 Pharmacology III  
 NURS 201 Medical Surgical Nursing I  
 NURS 202 Medical-Surgical Nursing

**J. GOALS (STUDENT LEARNING OUTCOMES):**

By the end of this course, the student will be able to:

<b><u>Course Student Learning Objective (SLO)</u></b>	<b><u>Institutional SLO</u></b>
a. Apply the nursing process to case studies involving patients receiving drugs used to treat cardio-vascular, blood, sensory, neurological, immune, and skin disorders; and those in the emergency setting.	Critical Thinking Professional Competence <i>Inter/Intrapersonal Skills</i>
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 <i>Inter/Intrapersonal Skills</i>
c. Analyze various medications for drug-drug, drug-food, and drug-herbal interactions that may contribute to negative patient outcomes.	Critical Thinking Professional Competence <i>Inter/Intrapersonal Skills</i>

**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**

**N. GRADING METHOD: A-F**

**O. MEASUREMENT CRITERIA/METHODS:**

- Quizzes
- Exams
- Case Studies

**P. DETAILED COURSE OUTLINE:**

- I. Drugs Used for Skin Disorders/Injury
  - A. Burns
  - B. Acne
  - C. Psoriasis
  - D. Pediculosis
  - E. Scabies
- II. Drugs for Blood Disorders
  - A. Hematopoietic Growth Factors
  - B. Colony-stimulating factors
  - C. Platelet enhancers
  - D. Vitamin B-12 and Folic Acid
  - E. Iron therapy
- III. Drugs for Coagulation Disorders
  - A. Anticoagulants
  - B. Antiplatelets
  - C. Thrombolytics
  - D. Hemostatics
- IV. Drugs for Lipid Disorders
  - A. HMG-CoA Reductase Inhibitors/Statins
  - B. Bile Acid Resins
  - C. Nicotinic Acid
  - D. Fibrin Acid Agents

- E. Cholesterol Absorption Modifiers
- V. Antihypertensives
  - A. Diuretics
  - B. Calcium Channel Blockers
  - C. ACE-inhibitors
  - D. Beta-blockers
  - E. Vasodilators
  - F. Miscellaneous
- VI. Drugs for Heart Failure
  - A. ACE Inhibitors
  - B. Diuretics
  - C. Beta-blockers
  - D. Vasodilators
  - E. Cardiac Glycosides
  - F. Phosphodiesterase Inhibitors
- VII. Drugs for Angina and MI
  - A. Organic Nitrates
  - B. Beta-blockers
  - C. Calcium Channel Blockers
  - D. Thrombolytic
- VIII. Drugs used for Dysrhythmias
  - A. Sodium Channel Blockers
  - B. Beta-blockers
  - C. Potassium Channel Blockers
  - D. Calcium Channel Blockers
- IX. Drugs used for Shock
  - A. Fluid Replacement Agents
  - B. Vasoconstrictors/Vasopressors
  - C. Inotropics
- X. Drugs used for Seizures
  - A. Drugs that potentiate GABA
  - B. Drugs that suppress Calcium Influx
- XI. Drugs for Degenerative Diseases of the Nervous System
  - A. Parkinson Disease Agents
  - B. Alzheimer's Disease Agents
  - C. Miscellaneous agents
- XII. Emergency Preparedness
  - A. Anthrax
  - B. Viruses
  - C. Toxic Chemicals
  - D. Ionizing Radiation
- XIII. Drugs for Immune System Modulation
  - A. Vaccines
  - B. Immunosuppressant
  - C. Immunostimulants
- XIV. Drugs for Sensory Disorders

- A. Ophthalmic Agents
- B. Otic Agents

Q. **LABORATORY OUTLINE:** None