NURSING 202: ADVANCED PHARMACOLOGY

UNIT V: PHARMACOLOGICAL TREATMENTS AND NURSING CONSIDERATIONS

UNIT OBJECTIVES
AT THE COMPLETION OF THE UNIT, THE STUDENT:

1. Describe major classifications of drugs used in the modern treatment of disease.

2. Describe strategies employed for patient safety during the preparation and administration of medications.

3. Employ critical thinking skills to determine the effectiveness of medication administration on patient outcomes.

4. Define the pharmacological terminology pertinent to specific categories and classifications of medications in relation to commonly occurring diseases.

5. Recognize significant adverse drug reactions, medication side effects, and therapeutic effects.

6. Develop the necessary skills to provide patient education regarding drug therapy.

7. Describe the legal and ethical principles related to medication administration in nursing.

8. Demonstrate competency in performing clinical drug and dosage calculations.

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS

Unit V: Pharmacological Treatments and Nursing Considerations
Theory Hours- 11.5
 	
  I. Mental Health Medications
      a.   Antianxiety
      b.   Antidepressants
      c.   Mood Stabilizers
      d.   Antipsychotics
  II. Neurological Medications
      a.   Drug Therapy for Seizure Disorder
      b.   Drug Therapy for Parkinson's Disease
      c.   Drug Therapy for Alzheimer's Disease
      d.   Drug Therapy for Multiple Sclerosis
      e.   Drugs that treat Migraine Headaches
 III. Complimentary, Alternative, and Integrative Medications
      a.   Herbal Therapies
          i.   Intended Uses
         ii. Adverse reactions and interactions
      b.   Integrative Substances
          i.   Cannabis
 IV. Drug Therapy for Cancer
      a.   Cytotoxic Chemotherapy Agents
      b.   Noncytotoxic chemotherapy Agents
          i.   Hormone Therapy
         ii. Immunotherapy
        iii. Targeted Therapy
        iv. Hematopoietic Growth Factors
  V. Pain Medications
      a.   Nonopioids
      b.   Opioids
      c.   Opioid Antagonists
      d.   Adjunct Therapies
      e.   Anti-Inflammatories
	Interactive Lectures
	
	Game-Based Learning: Test Your Knowledge!
	
	Game-Based Learning: Kahoot!
		Class Preparation: Pharmacology Review	Unit Exam
			
			Final Exam
			
			Clinical Evaluation
			
			Class Preparation

VI. Cardiac Medications
    a. Hypertension
        i. Diuretics
        ii. ACE-inhibitors/ARBs/PRILs/-SARTANs
        iii. Beta-Blockers
        iv. Calcium Channel Blockers
        v. Alpha-1 Blockers
    b. Acute MI
    c. Heart Failure
        i. ACE inhibitors/Beta-Blockers/Mineralocortocoid Receptor Blockers
        ii. Loop Diuretics
        iii. Inotropic Therapy
        iv. Digoxin
        v. Aldosterone Antagonists
    d. Vasodilators
    e. Anti-Arrhythmics
    f. Vasopressors
    g. Aspirin
	Interactive Lecture: Guest Speaker Michael Fraundorfer, PharmD		

VII. Endocrine Medications
    a. Oral Hypoglycemics
    b. Insulin
    c. Hyperglycemics
    d. Drug Therapy for Thyroid Disorders
	Interactive Lecture: Case Study		

VIII. Antibiotics
    a. Antibiotic Stewardship
    b. Antibiotics
    c. Antiparasites
    d. Antifungals
    e. Antivirals
	Interactive Lecture: Case Study		

IX. Respiratory Medications
    a. Corticosteroids
    b. Bronchodilators
    c. Anticholinergics
    d. Mucolytics
    e. Nicotine Therapy
	Interactive Lecture: Guest Speaker David Domzalski, Respiratory Manager		

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS

X. GI System Medications
    a.   Drug Therapy for Peptic Ulcers
    b.   Drug Therapy for Nausea
    c.   Drug Therapy for Constipation
    d.   Drug Therapy for Diarrhea
    e.   Drug Therapy for IBS
    f.   Drug Therapy for IBD
XI.   Pharmacology Review
	Game Based Learning: Jeopardy Review		