

Virginia Western Community College

PNE 111

Practical Nursing in Health and Disease II

Prerequisites: Admission to the Practical Nursing Program

Course Description: Studies the pathophysiology, signs and symptoms, prescribed medical and surgical treatments, and appropriate nursing care for the patient with selected disorders.

Semester Credits: 5 Lecture Hours - 0 Lab Hours – 5 Credit Hours

Required Materials

Textbook:

Timby, B.K. (2022). *Introductory Medical-Surgical Nursing* (13th ed.). Philadelphia: Lippincott. ISBN: 978-1-975172-23-7

CoursePoint for Timby's Introductory Medical-Surgical Nursing, 13th ed.

Donnelly-Moreno, L. (2021). *Fundamental Nursing Skills and Concepts* (12th ed.). Philadelphia: Lippincott, Williams, & Wilkins. ISBN 978-1-4963-2762-8

Coursepoint for Timby Fundamentals of Nursing (12th ed)

Lynn (2020), Lippincott Skills for Nursing Education, ISBN: 978-1-975-18238-0

Giddens, J. (2021), *Concepts for Nursing Practice* (3rd ed). St. Louis, Missouri, Elsevier, Inc. ISBN 978-0-323-58193-6

Course Outcomes

After the completion of this course, the student should be able to:

1. **SAFETY** - Demonstrate knowledge of causes of disease and illness, including microorganisms and communicable diseases, biochemical agents, cellular abnormalities, trauma, genetic transmission, and participation in high-risk activities.
2. **SAFETY** - Categorize signs and symptoms of selected medical-surgical disorders.
3. **SAFETY** - Relate expected diagnostic studies and laboratory tests for selected medical-surgical disorders and the nursing implications and interventions for each, with an emphasis on patient safety and comfort.
4. **CRITICAL THINKING** - Relate expected dietary interventions to selected disorders and the accompanying nursing implications.
5. **SAFETY** - Relate expected pharmacological interventions and the nursing implications to selected disorders, with an emphasis on patient safety and comfort.

6. **SAFETY** - Apply age-related considerations when planning patient care and medication administration.
7. **PATIENT-CENTERED CARE** - Examine health-related learning needs for the medical/surgical patient and their family.
8. **PATIENT-CENTERED CARE** - Use components of the nursing process in the development of a patient-centered, holistic nursing care plan for patients experiencing selected medical-surgical disorders.
9. **CRITICAL THINKING** - Apply critical thinking to prioritize and plan care for patients with selected medical-surgical disorders utilizing case studies and group activities.
10. **TEAMWORK** - Analyze the role of the practical nurse as a member of the interdisciplinary health care team in care planning, health promotion, disease prevention, and patient safety.
11. **INFORMATICS** - Relate the use of technology and information management tools to support safe patient care.
12. **EVIDENCE-BASED PRACTICE** - Use reliable sources for locating evidence-based information related to selected medical-surgical topics.
13. **EVIDENCE-BASED PRACTICE** - Examine standardized nursing care plans using critical thinking, clinical reasoning, and evidence-based practice.
14. **CULTURE** - Examine needs of culturally diverse medical-surgical patients.
15. **CULTURE** - Relate physiologic and psychologic aspects of culture and ethnicity to consider when providing nursing care.

Topical Description

1. **Unit 12: Caring for Clients with Endocrine Disorders**
 - A. Caring for Clients with Diabetes Mellitus (Ch. 51)
 1. Diabetes Mellitus
2. **Unit 7: Caring for Clients with Hematopoietic & Lymphatic Disorders**
 - A. Caring for Clients with Hematopoietic System Disorders (Ch. 31)
 1. Anemia
 2. Erythrocytosis
 3. Leukocytosis
 4. Multiple Myeloma
 5. Agranulocytosis
 6. Pancytopenia
 7. Coagulopathies
 - B. Caring for Clients with Disorders of the Lymphatic System (Ch. 32)
 1. Occlusive, inflammatory, and infectious disorders
 2. Lymphomas
3. **Unit 8: Caring for Clients with Immune Disorders**
 - A. Caring for Clients with Immune-Mediated Disorders (Ch. 34)
 1. Allergic disorders
 2. Autoimmune disorders

3. Chronic fatigue syndrome
- B. Caring for Clients with HIV/AIDS (Ch. 35)
 1. Human immunodeficiency virus
 2. Acquired immunodeficiency syndrome
- 4. Unit 9: Caring for Clients with Neurological Disorders**
 - A. Caring for Clients with Central/Peripheral Nervous System Disorders (Ch. 37)
 1. Increased intracranial pressure
 2. Infectious and inflammatory disorders of the nervous system
 3. Neuromuscular disorders
 4. Cranial nerve disorders
 5. Extrapyrmidal disorders
 6. Seizure disorders
 7. Brain tumors
 - B. Caring for Clients with Cerebrovascular Disorders (Ch. 38)
 1. Headache
 2. Transient ischemic attacks
 3. Cerebrovascular accident
 - C. Caring for Clients with Head and Spinal Cord Trauma (Ch. 39)
 1. Head injuries
 2. Spinal cord injuries
 3. Spinal nerve root compression
 - D. Caring for Clients with Neurologic Deficits (Ch. 40)
 1. Phases of a neurologic deficit
 2. Psychosocial issues and home management
- 5. Unit 10: Caring for Clients with Sensory Disorders**
 - A. Caring for Clients with Eye Disorders (Ch. 42)
 1. Impaired vision
 2. Infectious and inflammatory eye disorders
 3. Macular degeneration
 4. Glaucoma
 5. Cataracts
 6. Retinal detachment
 7. Enucleation
 - B. Caring for Clients with Ear Disorders (Ch. 43)
 1. Hearing impairment
 2. Disorders of the ears
- 6. Unit 14: Caring for Client with Urinary and Renal Disorders**
 - A. Caring for Clients with Disorders of the Kidneys and Ureters (Ch. 58)
 1. Infectious and Inflammatory Disorders of the Kidney
 2. Congenital Disorders, Polycystic Disease
 3. Obstructive Disorders
 4. Renal Failure
 5. Dialysis
 - B. Caring for Clients with Disorders of the Bladder and Urethra (Ch. 59)
 1. Voiding Dysfunction

2. Infectious and Inflammatory Disorders
 3. Obstructive Disorders
 4. Malignant Tumors of the Bladder
 5. Trauma
- 7. Unit 13: Caring for Clients with Breast and Reproductive Disorders**
- A. Caring for Clients with Disorders of the Female Reproductive System (Ch. 53)
 1. Disorders of menstruation
 2. Menopause
 3. Infectious and inflammatory disorders
 4. Structural abnormalities
 5. Tumors of the reproductive system
 - B. Caring for Clients with Breast Disorders (Ch. 54)
 1. Infectious and inflammatory breast disorders
 2. Benign and malignant breast lesions
 3. Cosmetic breast procedures
 - C. Caring for Clients with Male Reproductive System Disorders (Ch. 55)
 1. Structural abnormalities
 2. Infectious and inflammatory conditions
 3. Erection disorders
 4. Benign prostatic hypertrophy
 5. Malignancies of the male reproductive system
 - D. Caring for Clients with Sexually Transmitted Infections (Ch. 56)
- 8. Unit 15: Caring for Clients with Musculoskeletal Disorders**
- A. Caring for Clients Requiring Orthopedic Treatment (Ch. 61)
 1. Orthopedic surgery
 2. Amputation
 - B. Caring for Clients with Traumatic Musculoskeletal Injuries (Ch. 62)
 1. Strains, contusions, and sprains
 2. Dislocations
 3. Specific injuries to upper and lower extremities
 4. Fractures
 - C. Caring for Clients with Orthopedic and Connective Tissue Disorders (Ch. 63)
 1. Inflammatory disorders
 2. Musculoskeletal infectious disorders
 3. Structural disorders
 4. Disorders of the feet
 5. Bone tumors
- 9. Unit 16: Caring for Clients with Integumentary Disorders**
- A. Caring for Clients with Skin, Hair, and Nail Disorders (Ch. 65)
 1. Body ornamentation
 2. Skin disorders
 3. Scalp, hair, and nail disorders
 - B. Caring for Clients with Burns (Ch. 66)
 1. Burn injuries

- 10. Unit 4: Caring for Clients with Multisystem Disorders**
 - A. Caring for Clients with Cancer (Ch. 18)
 - 1. Understanding Cancer
 - 2. Treatment of Cancer
- 11. Unit 11: Caring for Clients with Gastrointestinal Disorders**
 - A. Caring for Clients with Ostomies (Ch. 48)
 - 1. Ileostomy
 - 2. The Ostomy Appliance
 - 3. Colostomy

Notes to Instructor