

## NURSING COMPUTER SOFTWARE

### Level 2- Semester 4

Nur 1210/ 1210L      **Advanced Medical Surgical Nursing/ Clinical Lab**

#### **RECOMMENDED FOR ALL COURSES:**

- Successful Test- taking Tips for Windows: (Copyright 1998)  
Test-Taking Tips for Beginners:  
Successful Problem Solving and Test taking for Beginning Nursing Students, Version 1.1: Units 1 and 2 are tutorials covering test taking tips and skills followed by questions with rationales for choices. Units 3, 4, and 5 are more specific to nursing and cover therapeutic communication techniques, selecting priorities, nursing process, nursing skills, and pathology. Units 3, 4, and 5 may contain content that is too advanced for the beginning Nursing student but would benefit the nursing student in Level 2.
  - Unit 1: Understanding the Question
  - Unit 2: Test- taking Strategies
  - Unit 3: Communication questions
  - Unit 4: Selecting priorities (Maslow's Hierarchy)
  - Unit 5: Nursing Process
  
- Lippincott's Complete Nursing Reference: (Copyright 1997)  
Consists of 5 textbooks on CD:
  - 1. The Lippincott Manual of Nursing Practice:
    - Part I: Nursing Process and Practice
    - Part II: Medical Surgical Nursing
    - Part III: Maternal and Neonatal Nursing
    - Part IV: Pediatric Nursing
    - Part V: Psychiatric Nursing
    - Part VI: Appendices
  - 2. Physical Examination and History Taking
  - 3. A Manual of Laboratory and Diagnostic Tests
  - 4. Nursing Care Plans and Documentation
  - 5. Lippincott's Nursing Drug Guide (1997)

#### **MAY BE USEFUL AS REVIEW OR TO REINFORCE CONCEPTS:**

- The Language of Medicine, 5<sup>th</sup> edition: (Copyright 1996) Teaches medical terminology through tutorial and quizzes pertinent to each body system and medical specialty. Covers basic word structure, suffixes, and prefixes system by system. Variety of quizzes includes matching, multiple choice and short answer.
  
- PDS Clinical Education Software: (Copyright 1997)  
Abbreviations and Equivalents:

Drills and practice questions in game format. Divided into abbreviation section and equivalents practice. This program also has a self-test that gives correct answer immediately.

- Anatomy and Physiology: (Copyright 1997)
  - A.D.A.M. Interactive Anatomy (AIA): enhances the study of human Anatomy and Anatomy-related topics at all levels of education. It includes 3D models, cadaver photographs, pinned anatomical illustrations, and slide show. Internet access.
  - A.D.A.M. Interactive Physiology (requires CD): Program includes Interactive review of the following body systems:
    - Cardiovascular
    - Fluids System
    - Muscular System
    - Nervous System
    - Respiratory System
    - Urinary System

A.D.A.M. Practice Practical 1.0: multipurpose learning tool that gives you wide variety of options to review anatomy and test your anatomical knowledge.

## **UNIT: Endocrine System**

### **Module: Care of the Patient with Endocrine Impairment: Pituitary, Thyroid, Parathyroid, and Adrenal Glands**

- Nursing Care Plans, Edition 5: (Copyright 2000)
  - Medical/ Surgical Topics :
    - Metabolic and Endocrine Disorders:
      - Hyperthyroidism (Thyrotoxicosis, Graves Disease)
      - Thyroidectomy
  - Nursing care plans by medical diagnosis. Includes medical diagnosis definition, care, setting, related concerns; patient assessment database: by systems and teaching/learning, diagnostic studies, priorities, discharge goals; nursing diagnosis, with desired outcomes, actions and interventions with rationales, potential considerations.
- PDS Clinical Education Software:
  - Med-Surg Mania: Endocrine
  - Provides interactive quizzes designed to reinforce knowledge of medical surgical nursing content. First select body systems, then choose from following topics: Anatomy and Physiology, Disorders, Diagnostic Procedures and

specific Nursing Care, Treatment procedures with Nursing Care Plan.

- PDS Clinical Education Software:  
PDS Clinical Education Software:  
Adult Health Nursing Concepts and Skills:  
Endocrine Scenarios:  
Small Cell Cancer with SIADH  
Scenario  
Hyperthyroidism Scenario

## **UNIT: Neurological System**

### **Module: Care of the Patient with Degenerative Neuromuscular Disorders**

- Nursing Care Plans, Edition 5: (Copyright 2000)  
Medical/ Surgical Topics :  
Neurological/Sensory Disorders:  
Multiple Sclerosis: Nursing care plans by medical diagnosis. Includes medical diagnosis definition, care, setting, related concerns; patient assessment database: by systems and teaching/learning, diagnostic studies, priorities, discharge goals; nursing diagnosis, with desired outcomes, actions and interventions with rationales, potential considerations.

### **Module: Care of the Patient with Spinal Cord Injury**

- Nursing Care Plans, Edition 5: (Copyright 2000)  
Medical/ Surgical Topics :  
Neurological/Sensory Disorders:  
Disc Surgery:  
Spinal Cord Injury(Acute Rehabilitative Phase): Nursing care plans by medical diagnosis. Includes medical diagnosis definition, care, setting, related concerns; patient assessment database: by systems and teaching/learning, diagnostic studies, priorities, discharge goals; nursing diagnosis, with desired outcomes, actions and interventions with rationales, potential considerations.
- PDS Clinical Education Software:  
PDS Clinical Education Software:  
Adult Health Nursing Concepts and Skills:  
Neurologic Scenarios:  
Spinal Cord Injury- Halo Device Scenario

## **UNIT: Hematologic System**

### **Module: Care of the Patient with Hematologic Disorders**

- Nursing Care Plans, Edition 5: (Copyright 2000)

#### Medical/ Surgical Topics:

##### Diseases of the Blood/ Blood Forming Organs:

Anemias- Iron Deficiency, Pernicious,

Aplastic, Hemolytic

Sickle Cell Crisis

Leukemias

Nursing care plans by medical diagnosis. Includes medical diagnosis definition, care, setting, related concerns; patient assessment database: by systems and teaching/learning, diagnostic studies, priorities, discharge goals; nursing diagnosis, with desires outcomes, actions and interventions with rationales, potential considerations.

- PDS Clinical Education Software:

#### Med-Surg Mania: Hematologic

Provides interactive quizzes designed to reinforce knowledge of medical surgical nursing content. First select body systems, then choose from following topics: Anatomy and Physiology, Disorders, Diagnostic Procedures and specific Nursing Care, Treatment procedures with Nursing Care Plan.

- PDS Clinical Education Software:

#### PDS Clinical Education Software:

##### Adult Health Nursing Concepts and Skills:

Hematologic Scenarios:

Iron Deficiency Anemia Scenario

Leukemia Scenario

## **UNIT: Genitourinary System**

### **Module: Care of the Patient with Genitourinary and Renal Disorders**

- Nursing Care Plans, Edition 5: (Copyright 2000)

#### Medical/ Surgical Topics:

##### Renal and Urinary Tract:

Renal Failure- Acute

Renal Failure- Chronic

Renal Dialysis

Renal Dialysis- Peritoneal

Hemodialysis

Benign Prostatic Hypertrophy

Prostatectomy

Urolithiasis (Renal Calculi):

Systemic Infection and Immunological Disorders:

Transplantation (Post-op and Lifelong)

Nursing care plans by medical diagnosis. Includes medical diagnosis definition, care, setting, related concerns; patient assessment database: by systems and teaching/learning, diagnostic studies, priorities, discharge goals; nursing diagnosis, with desires outcomes, actions and interventions with rationales, potential considerations.

- PDS Clinical Education Software: (Copyright 1997)

Med-Surg Mania: Genitourinary

Provides interactive quizzes designed to reinforce knowledge of medical surgical nursing content. First select body systems, then choose from following topics: Anatomy and Physiology, Disorders, Diagnostic Procedures and specific Nursing Care, Treatment procedures with Nursing Care Plan.

- PDS Clinical Education Software: (Copyright 1997)

PDS Clinical Education Software:

Adult Health Nursing Concepts and Skills:

Genitourinary Scenarios:

Benign Prostatic Hyperplasia - TURP

Scenario

Renal Colic and Nephrolithiasis- Lithotripsy

Scenario

## **UNIT: Hepatic System**

### **Module: Care of the Patient with Biliary Disorders**

- Nursing Care Plans, Edition 5: (Copyright 2000)

Medical/ Surgical Topics:

Gastrointestinal Disorders:

Cholecystitis with Cholelithiasis

Cholecystectomy

Metabolic and Endocrine Disorders:

Hepatitis

Cirrhosis of the Liver

Pancreatitis

Nursing care plans by medical diagnosis. Includes medical diagnosis definition, care, setting, related concerns; patient assessment database: by systems and teaching/learning, diagnostic studies, priorities,

discharge goals; nursing diagnosis, with desires outcomes, actions and interventions with rationales, potential considerations.

- PDS Clinical Education Software: (Copyright 1997)  
Med-Surg Mania: Hepatic - Biliary  
Provides interactive quizzes designed to reinforce knowledge of medical surgical nursing content. First select body systems, then choose from following topics: Anatomy and Physiology, Disorders, Diagnostic Procedures and specific Nursing Care, Treatment procedures with Nursing Care Plan.
- PDS Clinical Education Software: (Copyright 1997)  
Adult Health Nursing Concepts and Skills:  
Gastrointestinal Scenarios:  
Acute Pancreatitis Scenario  
Hepatic-Biliary Scenarios:  
Cirrhosis of the Liver Scenario  
Hepatitis Scenario  
Gallbladder Disease – Cholecystectomy Scenario

#### **UNIT: Burns (Multi-System)**

##### **Module: Care of the Patient with Burn Injuries**

- Nursing Care Plans, Edition 5: (Copyright 2000)  
Medical/ Surgical Topics:  
Integumentary:  
Burns: Thermal/ Chemical/ Electrical (Acute and Convalescent Phases)  
Nursing care plans by medical diagnosis. Includes medical diagnosis definition, care, setting, related concerns; patient assessment database: by systems and teaching/learning, diagnostic studies, priorities, discharge goals; nursing diagnosis, with desires outcomes, actions and interventions with rationales, potential considerations.

#### **UNIT: Care of the Patient Requiring Advanced Nursing Skills (Multi-System)**

- PDS Clinical Education Software: (Copyright 1997)  
Med-Surg Mania:  
Pot Luck Quiz: includes a variety of content across all body systems. Provides interactive quizzes designed to reinforce knowledge of medical surgical nursing content from following

topics: Anatomy and Physiology, Disorders, Diagnostic Procedures and specific Nursing Care, Treatment procedures with Nursing Care Plan.

- PDS Clinical Education Software: (Copyright 1997)
  - PDS Clinical Education Software:
    - Critical Care Concepts and Skills:
      - Cardiovascular Scenarios:
        - Chest Pain treated with Thrombolytic Therapy Scenario
        - MI with Heart Failure- IABP Scenario
        - Post CABG Scenario
        - Cardiac Arrest
      - Gastrointestinal Scenarios:
        - Abdominal Stab wounds- Exploratory Laparotomy Scenario
        - Cirrhosis and Bleeding Varices Scenario
        - Liver Transplant Scenario
      - Endocrine Scenarios:
        - Hyperglycemic Hyperosmolar Non Ketoacidosis (HHNK) Scenario
        - Diabetic Ketoacidosis Scenario
        - Hypoglycemic Post Diabetic Ketoacidosis Scenario
      - Neurological Scenarios:
        - Subarachnoid Hemorrhage 2<sup>nd</sup> to Ruptured Aneurysm Scenario
        - Skull Fracture and Subdural Hematoma Scenario
        - Spinal Cord Injury Scenario
- The Wanda Holmes Problem: Diagnostic reasoning- practice based learning for Nurse Practitioners and PA's. Programs requires the student to input all information.