

Virginia Western Community College

PNE 110

Practical Nursing in Health and Disease I

Prerequisites

None

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: 5

Lab/Clinical/Internship Hours: 0

Required Materials

Textbook:

Henke's Med-Math Dosage calculation, Preparation and Administration. Buchholz, Susan. 8th Edition. Lippincott, Williams, & Wilkins. ISBN: 9781496302847

Introductory Medical/Surgical Nursing. Timby, Barbara K. & Smith, Nancy E. 11th Edition. Walters Klower / Lippincott, Williams, & Wilkins. ISBN: 9781451177329

Workbook to Accompany Introductory Medical/Surgical Nursing. Timby, Barbara K. & Smith, Nancy E. 11th Edition. Walters Klower/Lippincott, Williams, & Wilkins. ISBN: 9781451187229

Other Materials:

The Point

PrepU

Docucare

Course Outcomes

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

- Discuss the pathophysiology, signs and symptoms for selected disorders.
- Discuss the usual medical and/or surgical treatments for selected disorders and the nursing implications for each.
- Discuss the expected diagnostic studies for selected disorders and the nursing implications for each.

- Assist with the assessment, planning, implementation, and evaluation of nursing care including related patient teaching for selected disorders.
- Discuss the role of the practical nurse in health promotion and disease prevention.
- Discuss the expected dietary interventions for selected disorders and the related nursing implications.
- Discuss the expected pharmacological interventions and the nursing implications for selected disorders.

Topical Description

Unit 4: Caring for Clients with Multisystem Disorders

Chapter 16: Caring for Clients with Fluid, Electrolyte, and Acid-Base Imbalances

- Fluid and Electrolyte Balance
- Fluid Imbalances
- Electrolyte Imbalances
- Sodium Imbalances
- Acid-Base Balance
- Acid-Base Imbalances

Chapter 17: Caring for clients in Shock

Unit 3: Foundations of Medical-Surgical Nursing

Chapter 14: Perioperative Care

- Preoperative Care
- Intraoperative Care
- Postoperative Care

Unit 6: Caring for Clients with Cardiovascular Disorders

Chapter 22: Introduction to the Cardiovascular System

- Anatomy and Physiology
- Assessment of the Cardiovascular System

Chapter 23: Caring for Clients with Infectious and Inflammatory Disorders of the Heart and Blood Vessels

- Infectious and Inflammatory Disorders of the Heart
- Inflammatory Disorders of the Peripheral Blood Vessels

Chapter 24: Caring for Clients with Valvular Disorders of the Heart

- Disorders of the Aortic Valve
- Disorders of the Mitral Valve

Chapter 25: Caring for Clients with Disorders of Coronary and Peripheral Blood Vessels

- Arteriosclerosis
- Occlusive Disorders of Coronary Blood Vessels
- Occlusive Disorders of Peripheral Blood Vessels
- Disorders of Blood Vessel Walls

Chapter 26: Caring for Clients with Cardiac Dysrhythmias

- Cardiac Dysrhythmias

Chapter 27: Caring for Clients with Hypertension

- Physiology of Blood Pressure
- Hypertension Disease

Chapter 28: Caring for Clients with Heart Failure

- Heart Failure
- Cardiogenic Pulmonary Edema

Chapter 29: Caring for Clients Undergoing Cardiovascular Surgery

- Cardiac Surgical Procedures
- Central or Peripheral Vascular Surgical Procedures
- Nursing Management for the Client Undergoing Cardiovascular Surgery

Unit 14: Caring for Clients with Urinary and Renal Disorders

Chapter 57: Introduction to the Urinary System

- Anatomy and Physiology
- Assessment

Chapter 58: Caring for Clients with Disorders of the Kidneys and Ureters

- Infection and Inflammatory Disorders of the Kidneys
- Congenital Disorders, Polycystic Disorders
- Obstructive Disorders
- Renal Failure
- Dialysis

Chapter 59: Caring for Clients with Disorders of the Bladder and Urethra

- Voiding Dysfunction
- Infectious and Inflammatory Disorders
- Obstructive Disorders
- Malignant Tumors of the Bladder
- Trauma

Unit 5: Caring for Clients with Respiratory Disorders

Chapter 19: Introduction to the Respiratory System

- Respiratory Anatomy
- Respiratory Physiology
- Respiratory Assessment
- Nursing Management

Chapter 20: Caring for Clients with Upper Respiratory Disorders

- Infectious and Inflammatory Disorders
- Structural Disorders
- Trauma and Obstruction of the Upper Airway
- Laryngeal Cancer
- Treatment Modalities for Airway Obstruction or Airway Maintenance

Chapter 21: Caring for Clients with Lower Respiratory Disorders

- Infectious and Inflammatory disorders
- Obstructive Pulmonary Disease
- Occupational Lung Disease
- Pulmonary Circulatory Disorders
- Respiratory Failure
- Acute Respiratory Distress Syndrome
- Malignant Disorders
- Trauma
- Thoracic Surgery

Unit 12: Caring for Clients with Endocrine Disorders

Chapter 49: Introduction to the Endocrine System

- Anatomy and Physiology
- Assessment
- Nursing Management

Chapter 50: Caring for Clients with Disorders of the Endocrine System

- Disorders of the Pituitary Gland
- Disorders of the Thyroid Gland
- Disorders of the Parathyroid Glands
- Disorders of the Adrenal Glands

Chapter 51: Caring for Clients with Diabetes Mellitus

- Diabetes Mellitus
- Acute Complications of Diabetes Mellitus
- Chronic Complications of Diabetes Mellitus

Note to Instructors