

JAMESTOWN COMMUNITY COLLEGE

State University of New York

INSTITUTIONAL COURSE SYLLABUS

Course Title: Practical Nursing Medical-Surgical Nursing

Course Abbreviation and Number: LPN 1140

Credit Hours: 8 credit hour.

Course Type: Lecture/Lab

Course Description: Students will apply critical thinking and the nursing process to understand fundamental disease processes and the LPN's role in preventing illness, treating disease, and restoring health in adult patients. Throughout the course, concepts related to safety, emotional support, communication, client teaching, and pharmacology will be integrated. The nursing laboratory will be used to enhance students' psychomotor and critical thinking skills, allowing them to practice advanced nursing techniques. Clinical experiences in medical-surgical units and specialty units of acute care hospitals and clinics will provide students with the opportunity to apply theory and lab knowledge in real-world settings. Open to Practical Nursing majors only.

Prerequisite: LPN 1110 and LPN 1120. Pre/Corequisites: BIO 2520 or HCR 2100, MAT 1540, PSY 2510, LPN 1130. A grade of 75% or better is required for successful completion of all nursing courses and to continue on in the program.

General Education Requirements Met
SUNY

JCC

Student Learning Outcomes:

Students who demonstrate understanding can:

1. Students will demonstrate the ability to use both written and oral communication skills to accurately document patient care and effectively convey critical information to the healthcare team and patients.
2. Students will apply critical thinking skills and evidence-based practice to assess patient needs, interpret clinical data, and implement appropriate nursing interventions within their scope of practice, contributing to the development of the nursing plan of care.
3. Students will apply the nursing process to provide safe, ethical, and culturally competent care to patients experiencing altered health statuses, ensuring a holistic approach to patient management.
4. Students will integrate nursing ethical principles and demonstrate cultural competence when providing patient care, while collaborating with the multidisciplinary team to develop high-quality, individualized care plans.
5. Students will understand and apply the roles, responsibilities, and scope of practice of the Practical Nurse (PN) in caring for patients with altered health statuses, ensuring competent and effective care delivery.

Topics Covered:

I. Foundations of Nursing Care for Adult Clients

- A. Health, Wellness, and Illness
- B. LGBTQIA Populations
- C. Emergency Nursing Principles and Management

II. Neurologic Disorders

- A. Neurologic Diagnostic Procedures
- B. Pain Management
- C. Meningitis
- D. Seizures and Epilepsy
- E. Parkinson's Disease
- F. Delirium and Dementia
- G. Multiple Sclerosis
- H. Headaches
- I. Increased Intracranial Pressure Disorders
- J. Stroke
- K. Disorders of the Eye
- L. Middle and Inner Ear Disorders

III. Respiratory Disorders

- A. Respiratory Diagnostic and Therapeutic Procedures
- B. Respiratory Management and Mechanical Ventilation
- C. Acute Respiratory Disorders
- D. Asthma
- E. Chronic Obstructive Pulmonary Disease

- F. Tuberculosis

- G. Pulmonary Embolism

- H. Pneumothorax, Hemothorax, and Flail Chest

- I. Respiratory Failure

IV. Cardiovascular Disorders

- A. Cardiovascular Diagnostic and Therapeutic Procedures
- B. Electrocardiography and Dysrhythmia Monitoring
- C. Invasive Cardiovascular Procedures
- D. Angina and Myocardial Infarction
- E. Heart Failure and Pulmonary Edema
- F. Valvular Heart Disease and Inflammatory Disorders
- G. Peripheral Vascular Diseases
- H. Hypertension
- I. Shock
- J. Aneurysms

V. Hematologic Disorders

- A. Hematologic Diagnostic Procedures
- B. Blood and Blood Product Transfusions
- C. Anemias

VI. Fluid, Electrolyte, and Acid-Base Imbalances

- A. Fluid Imbalances
- B. Electrolyte Imbalances
- C. Acid-Base Imbalances

VII. Gastrointestinal Disorders

- A. Gastrointestinal Diagnostic Procedures
- B. Gastrointestinal Therapeutic Procedures
- C. Esophageal Disorders
- D. Peptic Ulcer Disease
- E. Acute and Chronic Gastritis
- F. Noninflammatory Bowel Disorders
- G. Inflammatory Bowel Disorders
- H. Cholecystitis and Cholelithiasis
- I. Pancreatitis
- J. Hepatitis and Cirrhosis
- K. Obesity

VIII. Renal Disorders

- A. Renal Diagnostic Procedures
- B. Hemodialysis and Peritoneal Dialysis
- C. Polycystic Kidney Disease, Acute Kidney Injury, and Chronic Kidney Disease
- D. Infections of the Renal and Urinary System
- E. Renal Calculi

IX. Reproductive Disorders

- A. Diagnostic and Therapeutic Procedures for Reproductive Disorders
- B. Reproductive Physiologic Processes
- C. Disorders of Reproductive Tissue
- D. Infections of the Reproductive System

X. Musculoskeletal Disorders

- A. Musculoskeletal Diagnostic Procedures
- B. Arthroplasty
- C. Amputations

- D. Osteoporosis

- E. Musculoskeletal Trauma

- F. Osteoarthritis and Low-Back Pain

XI. Integumentary Disorders

- A. Integumentary Diagnostic Procedures
- B. Skin Disorders
- C. Burns

XII. Endocrine Disorders

- A. Endocrine Diagnostic Procedures
- B. Pituitary Disorders
- C. Hyperthyroidism
- D. Hypothyroidism
- E. Adrenal Disorders
- F. Diabetes Mellitus Management and Complications

XIII. Immune System and Connective Tissue Disorders A. Immune and Infectious Disorders Diagnostic Procedures

- B. Immunizations
- C. HIV/AIDS
- D. Lupus Erythematosus, Gout, and Fibromyalgia
- E. General Principles of Cancer
- F. Cancer Screening and Diagnostic Procedures
- G. Cancer Treatment Options
- H. Cancer Disorders
- I. Pain Management for Client Who Have Cancer

XIV. Nursing Care of Perioperative Clients

- A. Preoperative Nursing Care
- B. Postoperative Nursing Care

Information for Students

- Expectations of Students
 - [Civility Statement](#)
 - [Student Responsibility Statement](#)
 - [Academic Integrity Statement](#)
- [Accessibility Services](#)
Students who require accommodations to complete the requirements and expectations of this course because of a disability must make their accommodation requests to the Accessibility Services Coordinator.
- [Get Help: JCC & Community Resources](#)
- [Emergency Closing Procedures](#)
- Course grade is determined by the instructor based on a combination of factors, including but not limited to, homework, quizzes, exams, projects, and participation. Final course grade can be translated into a grade point value according to the following:

A=4.0	B+=3.5	B=3	C+=2.5	C=2	D+=1.5	D=1	F=0
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- Veterans and active duty military personnel with special circumstances (e.g., upcoming deployments, drill requirements, VA appointments) are welcome and encouraged to communicate these to the instructor.

Effective Date: Fall 2025