

Course Code: LPN 131

Course Title: Advanced Medical Surgical Nursing

Department: Nursing

Effective Date: Summer 2026

PCS Code: 1.2 - Occupational/Technical Instruction

CIP Code: 51.3901

Repeatability: 0

Credit Hours

Catalog Notation: 3-6-5

Credit Hour Distribution:

Lecture: 3

Lab: 0

Clinical: 6

Total: 5

General Course Information

Catalog Description

Uses the nursing process for providing care to adults with complex functional or health deviations.

General Course Objectives

The student will plan, provide, evaluate, and revise the plan of care for individuals with numerous health conditions, utilizing the cumulative knowledge from previous coursework and clinical experience. The student should be able to prioritize patient care appropriately and exhibit time management. Effective and timely communication with peers, instructors, and other members of the multi-disciplinary team is essential.

Minimum Placement Levels

English	Reading	Math
Placement out of ENG 099	Placement out of CCS 099	Placement out of MAT 072

Prerequisites

Credit in LPN 118 and LPN 130

Concurrent enrollment in LPN 132, LPN 135, and LPN 136

Admission into the LPN program

Methods of Evaluation

A midterm and final exam, 6-8 quizzes, faculty evaluation of students at clinical sites, clinical care plans, assignments, and Kaplan focused reviews and exams.

Instructional Materials and Additional Supplies

Davis Advantage for Understanding Medical-Surgical Nursing, Williams, L. S., Hopper, P. D., Otmanowski, J., & Nowicki, L. V. (2023). F.A. Davis Company. 978-1-7196-4458-7

None needed or required. Items required in earlier nursing courses will continue to be used: stethoscope, bandage scissors, wristwatch w/ second hand, penlight, and computer accessibility.

Course Content

General Learning Outcomes (GLOs)

- Critical Thinking and Information Literacy: Students will demonstrate the ability to evaluate perspectives, evidence, and implications, and to locate, assess, and use information effectively.
- Reasoning and Inquiry: Students will demonstrate the ability to solve problems using deductive reasoning and logic, quantitative reasoning, or the scientific method.
- Global Awareness and Cultural Reasoning: Students will demonstrate their understanding of global issues, gender and sexual orientation, and multicultural perspectives.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Cardiovascular System	1. Define, describe, and recognize the signs and symptoms, interventions, and care for patients with cardiac surgery, heart failure, cardiac conduction disorders, and inflammatory diseases. 2. State the nursing responsibilities in the administration of cardiac drugs. 3. Identify normal basic cardiac rhythms (for example: sinus rhythm, bradycardia, tachycardia, PVC's, A-fib, V-tach, V-fib, and asystole). 4. Discuss the causes of coronary artery disease. 5. Compare, contrast, and describe signs and symptoms and interventions of angina and MI. 6. Describe and list causes of, problems associated with, and treatment of HTN.	9	0	15
Hematological and Immune System	1. Identify functional health pattern data to collect in relation to hematologic and immune systems; describe the age-related changes. 2. Describe the purpose, significance of, and nursing responsibilities related to diagnostic studies assessing the hematologic and immune systems. 3. Differentiate between various types of hematology, coagulation, and immune system disorders. 4. Describe the pathophysiology, clinical manifestations, and nursing management of anemias and leukemias. 5. Describe the pathophysiology, clinical manifestations, and nursing management of immune system disorders.	7	0	12
Nervous System	1. Explain the purpose of monitoring and discuss the signs and symptoms of inter-cranial pressure. 2. Identify nursing interventions and interdisciplinary team actions for the patient with increased inter-cranial pressure. 3. Differentiate between the common head injuries. Understand nursing assessment and interventions for the head-injured patient. 4. Differentiate the lab and diagnostic procedures as well as nursing management of patients with meningitis, encephalitis, and brain abscesses. 5. Explain the types of strokes, potential risk factors, nursing care, and pharmacological or surgical interventions as appropriate. 6. Discuss common physiological and psychological difficulties for individuals with spinal cord shock and injury. 7. Describe etiology and common clinical manifestations of an individual diagnosed with Parkinson's, Huntington's chorea, and Guillain-Barre. 8. Distinguish between different types of seizures. 9. Distinguish between dementia, delirium, and Alzheimer's disease.	7	0	15

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Integumentary System	1. Discuss common lab and diagnostic tests related to integumentary disorders. 2. Identify common malignant neoplasms as opposed to non-malignant neoplasms. 3. Describe influential factors related to infectious risk and discuss the psychological and psycho-social factors associated with common integumentary disorders. 4. Formulate an effective plan of care for the individual experiencing an integumentary disorder and demonstrate dressing change for a variety of integumentary disorders. 5. Understand types, assessment, treatment, and nursing interventions for the burn patient in all phases of healing.	5	0	12
Special Senses (Ear and Eye)	1. Identify common disorders of the ear and eye. 2. Describe nursing assessment and interventions for problems of the ear and eye. 3. Describe common treatments for disorders of the ear and eye.	5	0	12
Musculoskeletal System	1. Describe the purpose, significance of results, and nursing responsibilities related to diagnostic studies of the musculoskeletal system; identify functional health data to collect in relation to this system. 2. Explain clinical manifestations and collaborative care of soft tissue injuries. 3. Distinguish between the different types of fractures and understand complications of fractures. 4. Explain complications associated with fracture injury and fracture healing. 5. Describe different treatments for fractures including casting, fixation, and casting. 6. Describe the collaborative care and nursing management of osteoarthritis, osteoporosis, gout, osteomyelitis, and rheumatoid arthritis. 7. Verbalize complications, psychological effects, and interventions associated with amputations.	6	0	12
Emergency Situations and Shock	1. List the basic principles of first aid. 2. State the key components of assessing a critical patient. 3. Review the appropriate nursing actions and care for the patient who has experienced cardiac or respiratory arrest. 4. Identify signs, symptoms, and treatment of shock. 5. Compare and contrast the treatment for septic, cardiac, neurogenic, and hypovolemic shock.	6	0	12

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
45	0	90