

Course Description

NUR1211L | Medical Surgical Nursing Clinical Lab | 4.00 credits

Students will learn how to apply concepts of adult health nursing. Experiences in both in-patient and community settings will be provided. Students are encouraged to participate in projects emphasizing preventive aspects of nursing care. Prerequisites: NUR1025, 1025C, 1025L, 1060C, 1141; Corequisites: NUR1211, 1214C

Course Competencies:

Competency 1: The student will organize the management of clients with selected immune disorders by:

1. Reviewing the components and functions of the immune system
2. Describing the assessment of a client's immune status
3. Discussing the pathophysiology of autoimmune disorders
4. Discussing the characteristics of immune deficiencies
5. Identifying appropriate laboratory and diagnostic testing to assess and monitor immune changes
6. Describing collaborative management of clients
7. Discussing the use of the nursing process as a framework to provide individualized care to clients with altered immune status

Competency 2: The student will organize the management of clients with selected digestive and gastrointestinal disorders by:

1. Reviewing the significant structures and functions of the gastrointestinal system
2. Identifying clinical manifestations of impairment in gastrointestinal function
3. Describing the diagnosis and pathophysiology of gastric disorders, including ulcerative disorders
4. Describing the diagnosis and pathophysiology of bowel disorders including inflammatory bowel disease
5. Describing the collaborative management of clients applying principles of perioperative care to the client having gastric or intestinal surgery
6. Discussing the use of the nursing process as a framework to provide individualized care to clients

Competency 3: The student will organize the management of clients with selected neurologic disorders by:

1. Reviewing the normal anatomy and physiology of the neurologic system
2. Comparing and contrasting methods used to diagnose neurologic conditions
3. Explaining the mechanisms related to unconsciousness
4. Describing the nursing management of the unconscious client
5. Explaining the physiologic mechanisms that maintain intracranial pressure
6. Identifying the causes, clinical manifestations, and related nursing care for a client with increased intracranial pressure
7. Describing the collaborative care and nursing management of a client with a head injury
8. Explaining factors that influence cerebral blood flow
9. Describing factors that place a client at risk for developing a stroke
10. Comparing and contrasting occlusive and hemorrhagic strokes
11. Discussing collaborative, pharmacologic, and nutritional support for the stroke client
12. Outlining the nursing management of the client with a stroke from the acute through the rehabilitation periods
13. Explaining the impact of a stroke on the client within the family system
14. Describing the physiologic mechanisms involved in seizure disorders
15. Identifying the causes, clinical manifestations, and related nursing care for a client with a seizure disorder
16. Discussing collaborative management of the client with a seizure disorder
17. Identifying pathophysiology and clinical manifestations of brain tumors
18. Comparing and contrasting treatment modalities for brain tumors

19. Applying concepts of perioperative nursing to the client undergoing intracranial surgery using the nursing process as a framework for providing individualized care to clients

Competency 4: The student will organize the management of clients with cancer by:

1. Reviewing the mechanisms and characteristics of normal cellular proliferation
2. Comparing the characteristics of normal cells with those of malignant cells
3. Describing the effects of cancer on specific body systems describing laboratory and diagnostic testing
4. Comparing and contrasting treatment modalities identifying clinical manifestations and nursing management of the client with cancer
5. Discussing areas for collaboration with other disciplines and the delegation of responsibilities in caring for clients with cancer
6. Discussing the educational needs of clients regarding prevention, diagnosis, and treatment of cancer

Competency 5: The student will organize the management of a diabetic client by:

1. Reviewing the normal anatomy and physiology of the pancreas
2. Comparing the pathophysiology, epidemiologic factors, and clinical manifestations of Type 1 and Type 2 diabetes mellitus
3. Describing the collaborative management of the diabetic client including areas of delegating responsibilities
4. Differentiating the assessment and management of clients with hypoglycemia and hyperglycemia
5. Determining the potential for and methods for preventing chronic complications
6. Discussing the role of client education, nutritional support, and exercise
7. Identifying community resources available to assist diabetics and their families
8. Describing the components of a care plan for the newly diagnosed diabetic client
9. Discussing the nurse's role in the home management of the diabetic client
10. Discussing collaborative management, including interdisciplinary care and delegation of responsibilities

Competency 6: The student will organize the management of clients with selected cardiovascular disorders by:

1. Reviewing the normal anatomy and physiology of the cardiovascular system
2. Describing the location and elements of the cardiac conduction system
3. Identifying clinical manifestations of cardiac impairment
4. Describing the pathophysiology, diagnosis, and management of clients with coronary artery disease, hypertension, congestive heart failure, and peripheral vascular disease
5. Applying principles of perioperative nursing to the client undergoing cardiac surgery
6. Discussing the collaborative management of clients, including interdisciplinary care and delegation of responsibilities

Competency 7: The student will organize the management of clients with selected musculoskeletal disorders by:

1. Reviewing the anatomy and physiology of the musculoskeletal system
2. Describe the characteristics of normal movement and identify clinical manifestations of musculoskeletal impairments
3. Describing the pathophysiology, diagnosis, and management of clients with fractures and amputations
4. Applying principles of perioperative nursing to the client undergoing orthopedic surgery
5. Discussing the collaborative management of clients, including interdisciplinary care and delegation of responsibilities
6. Discussing the use of the nursing process in caring for clients in the acute through rehabilitation phases of care

Competency 8: The student will organize the management of clients with selected respiratory disorders by:

1. Reviewing the anatomy and physiology of the respiratory system
2. Explaining the mechanics of normal respiration
3. Identifying clinical manifestations of respiratory impairments

4. Describing the pathophysiology, diagnosis, and management of clients with chronic obstructive pulmonary disease, pneumonia, and tuberculosis
5. Discussing the collaborative management of clients, including interdisciplinary care and delegation of responsibilities
6. Discussing the use of the nursing process in caring for clients

Competency 9: The student will organize the management of clients with selected disorders related to women's health by:

1. Reviewing the anatomy and physiology of the female reproductive system
2. Discussing the primary health needs of women throughout their lives and explain the types of neoplasms specific to women
3. Identifying barriers to women seeking health care

Learning Outcomes:

- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information