



Course Description

NUR1002L | Transition to Medical Surgical Nursing Clinical Lab | 2.00 credits

This lab introduces students with prior health care education to the nursing profession. Students will learn the nurse's role in meeting short and long-term needs of the patient through preventive, therapeutic, and palliative care. Students will also explore nursing care of the adults with moderate alterations in health within a body systems framework. Prerequisite: Program Admission; Co-requisites: NUR1002 and NUR1141

Course Competencies:

Competency 1: The student will be able to analyze the elements of contemporary professional nursing practice by:

1. Observing the concepts of health, health care delivery, and the settings and resources available in the community
2. Observing the roles of the registered professional nurse with that of the licensed practical nurse and others with health-related backgrounds
3. Observing the roles of the members of the health care team, including the physician, social worker, case manager, dietitian, physical therapist, respiratory therapist, licensed practical nurse, and unlicensed assistive personnel
4. Observing interactions between the registered professional nurse and other health team members
5. Identifying appropriate areas for delegation to and collaboration with other members of the health team

Competency 2: The student will apply the nursing process as the framework for meeting the health needs of individuals by:

1. Using the phases of the nursing process
2. Collecting a comprehensive and accurate database on which a diagnosis, plan, and interventions are based
3. Recognizing the importance of establishing priorities before planning interventions
4. Using the nursing process in discussing a patient care scenario
5. Recognizing the importance of personalizing the nursing care plan to meet individual patient needs

Competency 3: The student will identify the diverse roles of the nurse required in the management of patient care by:

1. Discussing the role of the nurse as educator, advocate, collaborator, and manager of patient care
2. Explaining the independent, dependent, and collaborative functions of nurses

Competency 4: The student will discuss values clarification from the perspective of nursing practice in a multicultural, pluralistic society by:

1. Applying the concept of holistic being
2. Identifying the patient's interrelated physiological, psychological, sociocultural, spiritual, and environmental dimensions
3. Applying the concept of delivering culturally competent care
4. Identifying cultural diversity in a health care setting

Competency 5: The student will apply the critical thinking process in nursing practice by:

1. Using the components of the critical thinking model
2. Comparing the relationship between critical thinking and the nursing process

Competency 6: The student will apply principles of therapeutic communication and the teaching-learning process by:

1. Planning and delivering a teaching/learning presentation to a group in the community
2. Using therapeutic communication techniques

Competency 7: The student will apply the concept of basic human needs in planning nursing care in a medical/surgical or rehabilitation setting by:

1. Using methods that increase a patient's safety
2. Using methods that prevent deterioration in skin integrity
3. Demonstrating correct body mechanics in delivering patient care
4. Using methods that promote oxygenation
5. Using methods that enhance elimination
6. Using methods that promote nutrition
7. Using methods that decrease hazards of immobility
8. Using methods to promote comfort and decrease pain

Competency 8: The student will apply principles of growth and development by:

1. Planning for adult patients' needs at different life cycle stages
2. Observing the special needs of the aging population in a geriatric setting, including nursing homes and senior citizen centers in the community

Competency 9: The student will apply concepts of perioperative nursing by:

1. Providing care to patients before, during, and following an operative procedure
2. Discussing issues of informed consent in a small group setting

Competency 10: The student will identify the nurse's role in preserving visual and auditory health by:

1. Planning care for a patient with visual or auditory loss
2. Caring for a hearing or visually impaired person

Competency 11: The student will apply the mechanisms of fluid, electrolyte, and acid-base balance by:

1. Completing an intake and output assessment on a patient
2. Evaluating appropriate laboratory values relating to fluid, electrolyte, and acid-base balance
3. Assessing the respiratory status of a patient
4. Documenting appropriate findings in the medical record
5. Explaining values that deviate from the norm

Competency 12: The student will manage the care of patients with selected immune disorders by:

1. Assessing a patient's immune status
2. Using appropriate laboratory and diagnostic testing to assess and monitor a patient's immunestatus
3. Using the nursing process as a framework to provide individualized care to patients with altered immune responses
4. Providing teaching for patients with altered immune status and their families
5. Demonstrating the appropriate use of standard precautions
6. Demonstrating the appropriate use of reverse isolation techniques

Competency 13: The student will manage the care of patients with selected digestive and gastrointestinal disorders by:

1. Observing clinical manifestations of impairment in gastrointestinal function
2. Identifying interview questions pertinent to an assessment of the gastrointestinal system
3. Caring for patients in an in-patient setting
4. Describing the diagnosis and pathophysiology of bowel disorders, including inflammatory bowel disease
5. Participating in the collaborative management of patients
6. Applying principles of perioperative care to the patient having gastric or intestinal surgery
7. Using the nursing process as a framework to provide individualized care to patients
8. Demonstrating the correct technique for inserting a nasogastric tube
9. Demonstrating the correct technique for removing a nasogastric tube
10. Demonstrating the correct technique for administering bolus and continuous tube feedings

11. Demonstrating the correct technique for nasogastric suction
12. Demonstrating proper techniques for documenting procedures

Competency 14: The student will manage the care of patients with selected neurologic disorders by:

1. Observing methods used to diagnose neurologic conditions
2. Caring for patients in an in-patient setting
3. Explaining the mechanisms related to unconsciousness
4. Explaining the physiologic mechanisms that maintain intracranial pressure
5. Identifying the causes, clinical manifestations and related nursing care for a patient with increased intracranial pressure
6. Participating in the collaborative care and nursing management of a patient with a head injury
7. Applying factors that influence cerebral blood flow
8. Identifying factors that place a patient at risk for developing a stroke
9. Comparing and contrasting occlusive and hemorrhagic strokes
10. Discussing collaborative, pharmacologic and nutritional support for the stroke patient
11. Participating the nursing management of the patient with a stroke from the acute through the rehabilitation periods
12. Observing the impact of a stroke on the patient within the family system
13. Describing the physiologic mechanisms involved in seizure disorders
14. Identifying the causes, clinical manifestations and related nursing care for a patient with a seizure disorder
15. Participating in the collaborative management of the patient with a seizure disorder
16. Identifying pathophysiology and clinical manifestations of brain tumor
17. Comparing and contrasting treatment modalities for brain tumors
18. Applying concepts of perioperative nursing to the patient undergoing intracranial surgery
19. Using the nursing process as a framework for providing individualized care to patients
20. Demonstrating correct procedures for positioning a client
21. Demonstrating alternative communication techniques for use with an aphasic client
22. Demonstrating correct technique for passive and active range of motion exercises
23. Demonstrating correct procedures for caring for an unconscious client
24. Demonstrating correct use of seizure precautions

Competency 15: The student will manage the care of patients with cancer by:

1. Observing the effects of cancer on specific body systems
2. Using appropriate laboratory and diagnostic testing
3. Comparing and contrasting treatment modalities
4. Identifying clinical manifestations and nursing management of the patient with cancer
5. Participating in areas for collaborative care for a patient with cancer
6. Identifying areas for collaboration with other disciplines and the delegation of responsibilities
7. Observing cancer chemotherapy and therapeutic radiation in an outpatient cancer center
8. Participating in cancer prevention community-based project
9. Demonstrating correct use of infection control practices in the immunocompromised client
10. Demonstrating procedures for caring for clients with a venous access device for chemotherapy (port)

Competency 16: The student will manage the care of diabetic patients by:

1. Observing etiologic factors and clinical manifestations of Type 1 and Type 2 diabetes mellitus
2. Using appropriate equipment to monitor blood glucose
3. Participating in the collaborative management of diabetic patients, including delegating responsibilities
4. Differentiating the assessment and management of patients with hypoglycemia and hyperglycemia
5. Determining the potential for and methods for preventing chronic complications
6. Incorporating the role of patient education, nutritional support, and exercise
7. Teaching a patient about self-monitoring of blood glucose
8. Identifying community resources available to assist diabetics and their families

9. Developing a plan of care for the newly diagnosed diabetic patient
10. Participating in the home management of the diabetic patient
11. Participating in a community-based project for blood glucose screening
12. Participating in collaborative management, including interdisciplinary care and delegation of responsibilities

Competency 17: The student will manage the care of patients with selected cardiovascular disorders by:

1. Describing the pathophysiology, diagnosis, and management of patients with coronary artery disease, hypertension, congestive heart failure, and peripheral vascular disease
2. Caring for patients in an in-patient setting
3. Assessing EKG rhythm strips
4. Applying electrodes for cardiac monitoring
5. Observing a patient undergoing cardiac catheterization and cardiac surgery
6. Applying principles of perioperative nursing to the patient undergoing cardiac surgery
7. Participating in the collaborative management of patients, including interdisciplinary care and delegation of responsibilities
8. Using anti-embolic hosiery and sequential decompression devices
9. Participating in a community-based hypertension and cholesterol screening program
10. Correctly applying ant embolic devices (hose and sequential compression devices)

Competency 18: The student will manage the care of patients with selected musculoskeletal disorders by:

1. Observing the characteristics of normal movement
2. Identifying clinical manifestations of musculoskeletal impairments
3. Observing the pathophysiology, diagnosis, and management of patients with fractures and amputations
4. Caring for patients with casts, traction, or other orthopedic devices
5. Observing physical and occupational therapy
6. Applying principles of perioperative nursing to the patient undergoing orthopedic surgery
7. Participating in the collaborative management of patients, including interdisciplinary care and delegation of responsibilities
8. Using the nursing process in caring for acute patients through rehabilitation phases

Competency 19: The student will manage the care of patients with selected respiratory disorders by:

1. Observing the mechanics of normal respiration
2. Observing clinical manifestations of respiratory impairments
3. Observing the pathophysiology, diagnosis, and management of chronic obstructive pulmonary disease, pneumonia, and tuberculosis patients
4. Caring for patients in an in-patient setting
5. Caring for a patient receiving oxygen therapy
6. Implementing a turning, coughing, and deep breathing regimen
7. Instructing a patient to use an incentive spirometer
8. Observing respiratory therapy treatments
9. Suctioning a patient via the nasotracheal or endotracheal route
10. Participating in the collaborative management of patients, including interdisciplinary care and delegation of responsibilities
11. Providing teaching to patients with respiratory disorders and their families
12. Using the nursing process to assess needs, plan, and implement individualized care
13. Demonstrating correct procedure for respiratory isolation
14. Demonstrating correct procedures for tracheal and endotracheal suctioning
15. Demonstrating correct procedure for instructing patients in the use of side arm nebulizer
16. Demonstrating correct procedure for instructing patients in the use of incentive spirometer

Competency 20: The student will manage the care of patients with selected disorders related to women's health by:

1. Discussing the primary health needs of women throughout the life span
2. Observing patients with neoplasms that are specific to women
3. Identifying barriers to women seeking health care
4. Caring for patients in an in-patient setting
5. Applying principles of perioperative care to the patient undergoing gynecologic surgery
6. Using the nursing process as a framework for providing individualized care to patients
7. Observing patients seeking care in a fertility clinic
8. Observing patients in a women's health clinic
9. Participating in a breast cancer prevention project

Competency 21: The student will demonstrate the correct use of medications that come in powdered form by:

1. Preparing and administering medications that come in powdered form
2. Calculating the correct dosage of medications
3. Selecting the appropriate directions when preparing medications

Competency 22: The student will understand concepts of intravenous therapy by:

1. Identifying the role of the nurse in intravenous therapy
2. Describing the use of equipment
3. Defining "drop factor" and "flowrate"
4. Calculating the flow rate of an infusion
5. Demonstrating the correct procedure for intravenous insertion and blood sampling
6. Demonstrating the correct procedure for administering intravenous medications

Competency 23: The student will demonstrate the correct use of medication protocols by:

1. Using common protocols for medication administration encountered in clinical settings
2. Calculating the correct dose of medications based on specified protocols

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- 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
- Demonstrate knowledge of diverse cultures including global and historical perspectives
- Use computer and emerging technologies effectively