

Capital Area School of Practical Nursing

Nursing II Course Syllabus

Course Information

Time: 12:30-4:00pm

Total Contact Hours: 101.50

Lab Contact Hours: 14.00

Theory Contact Hours: 87.50

Instructor Information

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Classroom performance and student responsibilities

All policies are to be followed as outlined in the CASPN student handbook.

Assignments and Point Distribution

Assignments, tests, and point distribution per faculty.

Course Description

This course focuses on the care of adult patients with common medical/surgical health alterations as well as health promotion and illness/injury prevention. The student builds upon nursing concepts needed to deliver safe, individualized care of patients with alterations in selected body systems (blood/lymph; musculoskeletal; neurological; integumentary; reproductive; eye/ear). Utilizing the nursing process, the student will explore the pathophysiology, pharmacology, intravenous therapy and nutritional needs of diverse patients. Skills lab allow students the opportunity to apply course concepts in caring for patients with selected medical/surgical conditions.

Course Objectives

1. Perform a focused health assessment on adult patients and identify deviations from normal.
2. Identify the role of the nurse as a member of the health care team and advocate while providing patient-centered care for adult patients.
3. Apply knowledge of pharmacology, pathophysiology, and nutrition, as well as evidence based practice, to the care of adult patients with common medical/surgical health alterations.
4. Use verbal and nonverbal communication that promotes therapeutic relationships with adult patients and their families, as well as professional relationships with members of the health care team.
5. Use technologies and evidence-based literature that support clinical decision making and impact patient care.
6. Determine health education needs of adult patients and their families, as well as strategies used to reinforce education.
7. Use organizational, time management, and priority-setting skills used when providing care to adult patients.
8. Determine patient-care needs related to safety and the delivery of quality care.
9. Articulate ethical and legal standards as well as professional accountability in the delivery of care to adult patients and their families.

Content Units

Alterations in Cognition and Sensation

Unit Objectives

1. Recognize components of a focused assessment that should be included when collecting data on adults

who have an alteration in cognition and sensation.

2. Apply knowledge of anatomy, physiology, pathophysiology, nutrition, and developmental variations when helping to plan care for adults who have an alteration in cognition and sensation.
3. Identify priority actions for adults who have an alteration in cognition and sensation.
4. Apply knowledge of the actions, potential side effects, and nursing implications when administering medications to adults who have an alteration in cognition and sensation.
5. Recognize alterations in laboratory values related to alterations in cognition and sensation.
6. Discuss the correct use and functioning of therapeutic devices that support cognition and sensation.
7. Describe the role of the nurse in providing quality care to adults who have an alteration in cognition and sensation.
8. Identify health care education and safety needs for adults who have an alteration in cognition and sensation.

Content Topics

- a. Pathophysiology/ Trauma related disorders (head injuries, spinal cord injuries)
- b. Pathophysiology/ Degenerative neurological disorders (multiple sclerosis, ALS, Huntington's disease)
- c. Pathophysiology/ Abnormal cell proliferation disorders (brain tumors, spinal cord tumors)
- d. Pathophysiology/ Neurochemical transmitter disorders (myasthenia gravis)
- e. Pathophysiology/ Migraine drugs (ergot alkaloids, serotonin reuptake antagonists, beta blockers)
- f. Pharmacology/ Osmotic diuretics
- g. Pharmacology/ Centrally acting muscle relaxants
- h. Pharmacology/ Disease modifying drugs for MS (immunomodulators, immunosuppressants, glatiramer acetate)
- i. Nutrition/ Dysphagia diets (pureed, ground, soft, modified general diets)
- j. Nutrition/ Nutritional supplements and tube feedings

Content Units

Alterations in Immunity

Unit Objectives

1. Recognize components of a focused assessment that should be included when collecting data on adults who have an alteration in immunity.
2. Apply knowledge of anatomy, physiology, pathophysiology, nutrition, and developmental variations when helping to plan care for adults who have an alteration in immunity.
3. Identify priority actions for adults who have an alteration in immunity.
4. Apply knowledge of the actions, potential side effects, and nursing implications when administering medications to adults who have an alteration in immunity.
5. Recognize alterations in pulse oximetry and other laboratory values related to alterations in immunity.
6. Discuss the correct use and functioning of therapeutic devices that support immunity.
7. Describe the role of the nurse in providing quality care to adults who have an alteration in immunity.
8. Identify health care education and safety needs for adults who have an alteration in immunity.

Content Topics

- a. Pathophysiology/ Autoimmune disorders (Guillain Barre', myasthenia gravis, systemic lupus erythematosus, fibromyalgia)
- b. Pathophysiology/ Immunosuppression disorders (HIV/AIDS, organ transplants)
- c. Pathophysiology/ Hypersensitivity reactions (allergies, anaphylaxis)
- d. Pharmacology/ Corticosteroids
- e. Pharmacology/ Antihistamines
- f. Pharmacology/ Adrenergic agonists
- g. Pharmacology/ Antiretroviral drugs (NRTIs, NNRTIs, PIs, fusion inhibitors)
- h. Pharmacology/ Immunosuppressants (calcineurin inhibitors, cytotoxic, antibodies)
- i. Nutrition/ High calorie, high protein diet

Content Units

Alterations in Integument

Unit Objectives

1. Recognize components of a focused assessment that should be included when collecting data on adults who have an alteration in integument.
2. Apply knowledge of anatomy, physiology, pathophysiology, nutrition, and developmental variations when helping to plan care for adults who have an alteration in integument.
3. Identify priority actions for adults who have an alteration in integument.
4. Apply knowledge of the actions, potential side effects, and nursing implications when administering medications to adults who have an alteration in integument.
5. Recognize alterations in laboratory values related to alterations in integument.
6. Discuss the correct use and functioning of therapeutic devices that support integument.
7. Describe the role of the nurse in providing quality care to adults who have an alteration in integument.
8. Identify health care education and safety needs for adults who have an alteration in integument.

Content Topics

- a. Pathophysiology/ Trauma related disorders (burns)
- b. Pathophysiology/ Abnormal cell proliferation disorders (basal and squamous cell cancer, melanoma)
- c. Pharmacology/ Sulfonamides
- d. Pharmacology/ Topical antibacterial (nitrofurazone)
- e. Pharmacology/ Topical chemotherapy
- f. Pharmacology/ Interferon
- g. Nutrition/ High calorie, high protein diet
- h. Nutrition/ Enteral nutrition
- i. Nutrition/ Nutritional supplements

Content Units

Alterations in Mobility

Unit Objectives

1. Recognize components of a focused assessment that should be included when collecting data on adults who have an alteration in mobility.
2. Apply knowledge of anatomy, physiology, pathophysiology, nutrition, and developmental variations when helping to plan care for adults who have an alteration in mobility.
3. Identify priority actions for adults who have an alteration in mobility.
4. Apply knowledge of the actions, potential side effects, and nursing implications when administering medications to adults who have an alteration in mobility.
5. Recognize alterations in pulse oximetry and other laboratory values related to alterations in mobility.
6. Discuss the correct use and functioning of therapeutic devices that support mobility.
7. Describe the role of the nurse in providing quality care to adults who have an alteration in mobility.
8. Identify health care education and safety needs for adults who have an alteration in mobility.

Content Topics

- a. Pathophysiology/ Degenerative musculoskeletal disorders (osteoarthritis and joint replacement)
- b. Pathophysiology/ Trauma related disorders (complex fractures and tractions, fat emboli)
- c. Pathophysiology/ Ischemia related disorders (amputations)
- d. Pharmacology/ Corticosteroid injections
- e. Pharmacology/ Aminoglycosides
- f. Pharmacology/ Glucosamine chondroitin
- g. Nutrition/ Low calorie diet

Content Units

Alterations in Reproduction

Unit Objectives

1. Recognize components of a focused assessment that should be included when collecting data on adults who have an alteration in reproduction.

2. Apply knowledge of anatomy, physiology, pathophysiology, nutrition, and developmental variations when helping to plan care for adults who have an alteration in reproduction.
3. Identify priority actions for adults who have an alteration in reproduction.
4. Apply knowledge of the actions, potential side effects, and nursing implications when administering medications to adults who have an alteration in reproduction.
5. Recognize alterations in laboratory values related to alterations in reproduction.
6. Discuss the correct use and functioning of therapeutic devices that support reproduction.
7. Describe the role of the nurse in providing quality care to adults who have an alteration in reproduction.
8. Identify health care education and safety needs for adults who have an alteration in reproduction.

Content Topics

- a. Pathophysiology/ Infectious and inflammatory disorders (pelvic inflammatory disease, toxic shock syndrome)
- b. Pathophysiology/ Abnormal cell proliferation disorders (fibroadenomas of the breast, breast cancer, fibroid tumors of the uterus, uterine cancer, cervical cancer, benign prostatic hypertrophy, prostatic cancer, testicular cancer).
- c. Pathophysiology/ Hormonal disorders (premenstrual syndrome, menopause)
- d. Pharmacology/ Antibiotics (penicillins, cephalosporins, tetracycline, quinolones, carbapenems)
- e. Pharmacology/ Selective Estrogen Receptor Modulators (SERMs)
- f. Pharmacology/ Hormone Replacement Therapy (HRT)

Content Units

Nursing Care

Unit Objectives

1. Review principles related to the selected skills.
2. Practice patient care skills using proper techniques while ensuring patient safety.

Content Topics

- a. Theory/Lab/ Oxygenation and airway (oxygen therapy, oxygen delivery systems, tracheostomy suctioning and care, spirometry, ventilator monitoring, chest tube monitoring and documentation).
- b. Theory/Lab/ Wound care (Sterile dressing changes, specialized wound dressings, suture and staple removal, emergency care of evisceration and documentation)
- c. Theory/Lab/ IV Maintenance (types of access devices, administration tubing, continuous, bolus and intermittent infusions, assessment for infiltration and phlebitis, determining and maintaining patency, and documentation).
- d. Theory/Lab/ Drug calculation (intermediate/advanced)
- e. Theory/Lab/ Complications of immobility (sequential compression devices, pressure relief mattresses/beds and documentation).
- f. Theory/Lab/ Elimination (continuous bladder irrigation, sterile catheter irrigation and specimen collection, colostomy care and documentation).
- g. Theory/Lab/ EKG (lead placement, reading normal strips, reading paced strips and documentation).
- h. Theory/Lab/ Joint replacement care (CPM machine, hip precautions and documentation)
- i. Theory/Lab/ Pre- and postoperative care (NPO status, postoperative diets, vital sign monitoring, safety measures for patient with altered LOC and documentation).

NOTE

This syllabus is not a contract between the instructor and student enrolled. Content is subject to change. Students will be given notice of changes made in content, policies, or grading as they may occur.