

Capital Area School of Practical Nursing

Nursing II

Course Syllabus

Course Information:

Course Time: 12:30 – 4 p.m.
Theory Contact Hours: 101.50

Instructor Information:

Megan Hackett RN MSN
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Classroom Performance and Student Expectations:

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

Methods of Evaluation:

Assignments, tests, and point distribution per individual faculty will be distributed with each course calendar.

Textbook:

PN Adult Medical Surgical Nursing. 10th ed., Assessment Technologies Institute, 2017
Nutrition for Nursing. 6th ed., Assessment Technologies Institute, 2016.
PN Pharmacology for Nursing. 7th ed., Assessment Technologies Institute, 2017.
Cooper, Kim, and Kelly Gosnell. Adult Health Nursing. 7th ed., Elsevier, 2015.

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 Hematology

Unit Objectives:

1. Recognize components of a focused assessment that should be included when collecting data on adults who have an alteration in hematology.
2. Apply knowledge of anatomy, physiology, pathophysiology, nutrition, and developmental variations when helping to plan care for adults who have an alteration in hematology.
3. Recognize alterations in collected data (including focused assessment and laboratory values) related to alterations in hematology.
4. Identify priority actions for adults who have an alteration in hematology.
5. Apply knowledge of the actions, potential side effects, and nursing implications when administering medications

to adults who have an alteration in hematology.

6. Describe the role of the nurse in identifying safety needs, providing quality care, and health care education to adults who have an alteration in hematology.

Content Topics:

- a. Pathophysiology/ Hematologic disorders /RBC and platelets(anemias, polycythemia, thrombocytopenia, DIC)
- b. Pathophysiology/ Hematologic disorders/WBC and lymphatic (agranulocytosis, multiple myeloma, lymphedema, malignant lymphoma)
- c. Pharmacology/ Iron, Vitamin B12, folic acid supplements, Vitamin D.
- d. Nutrition/ Diets rich in iron, Vitamin B12, and folic acid

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. Recognize alterations in collected data (including focused assessment and laboratory values) related to alterations in cognition and sensation.
4. Identify priority actions for adults who have an alteration in cognition and sensation.
5. Apply knowledge of the actions, potential side effects, and nursing implications when administering medications to adults who have an alteration in cognition and sensation.
6. Describe the role of the nurse in providing quality care to 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, dementia, Alzheimer's)
- c. Pathophysiology/ Abnormal cell proliferation disorders (brain tumors, spinal cord tumors)
- d. Pathophysiology/ Neurochemical transmitter disorders (myasthenia gravis, seizures)
- e. Pathophysiology/ Migraine drugs (ergot alkaloids, serotonin reuptake antagonists, beta blockers)
- f. Pathophysiology/ Vision disorders (macular degeneration, glaucoma, vision impairment, cataracts)
- g. Pathophysiology / Hearing disorders (hearing loss, Meniere's, otitis)
- h. Pathophysiology / ischemic disorders (TIA, cerebrovascular accident)
- i. Pharmacology/ Osmotic diuretics
- j. Pharmacology/ Centrally acting muscle relaxants
- k. Pharmacology/ Disease modifying drugs for MS (immunomodulators, immunosuppressants, glatiramer acetate)
- l. Nutrition/ Dysphagia diets (pureed, ground, soft, modified general diets)
- m. 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. Recognize alterations in collected data (including focused assessment and laboratory values) related to alterations in immunity.
4. Identify priority actions for adults who have an alteration in immunity.
5. Apply knowledge of the actions, potential side effects, and nursing implications when administering medications to adults who have an alteration in immunity.
6. Describe the role of the nurse in providing quality care to 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 Functional Mobility

Unit Objectives:

1. Recognize components of a focused assessment that should be included when collecting data on adults who have an alteration in functional mobility.
2. Apply knowledge of anatomy, physiology, pathophysiology, nutrition, and developmental variations when helping to plan care for adults who have an alteration in functional mobility.
3. Identify priority actions for adults who have an alteration in functional mobility.
4. Recognize alterations in collected data (including focused assessment and laboratory values) related to functional mobility.
5. Apply knowledge of the actions, potential side effects, and nursing implications when administering medications to adults who have an alteration in functional mobility.
6. Describe the role of the nurse in providing quality care to adults who have an alteration in functional 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. Describe various methods of female and male contraception.
2. Discuss advantages and disadvantages of identified methods of contraception.

Content Topics:

- a. Pathophysiology/ Infectious and inflammatory disorders (pelvic inflammatory disease, toxic shock syndrome, sexually transmitted diseases (STDs) including gonorrhea, chlamydia, syphilis, genital herpes, hepatitis B and HIV)
- b. Pathophysiology/ Abnormal cell proliferation disorders (fibroadenomas of the breast, breast cancer, fibroid tumors of the uterus, uterine cancer, cervical cancer, 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)
- g. Surgical Intervention / Hysterectomy

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/ IV Maintenance (types of access devices, administration tubing, continuous, bolus and intermittent infusions, assessment for infiltration and phlebitis, determining and maintaining patency, and documentation).
- b. Theory/Lab/Insulin Administration

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.