

Common Course Outline

NURN 160

Nursing Concepts I

6 Credits

Community College of Baltimore County

Description

NURN 160 – Nursing Concepts I prepares students for the role of the nurse generalist in the care of patients in acute care settings. NURN 160 is the first in a sequence of three Medical-Surgical courses in the Nursing Program . This course will build on knowledge from previous health-related courses such as anatomy and physiology, chemistry, microbiology, and the Fundamentals of Nursing. Students will learn more about normal body functioning and discover how the body reacts to a variety of stressors. Emphasis is placed on the nursing care concepts of homeostasis, perfusion, oxygenation, and metabolism. Supervised simulations and clinical experiences, included in this course, are designed to stimulate critical thinking and increase knowledge of adult patient care.

6 credits: 3.5 credits of theory (52.5 clock hours) and 2.5 credit hours simulation lab/clinical (112.5 clock hours)

Prerequisites: NURN 153 (with a grade of C or higher) and NURN 155 (with a grade of C or higher)

Overall Course Objectives

Upon completion of this course students will be able to:

1. apply the nursing process to meet the homeostasis, perfusion, oxygenation, and metabolism needs of patients in acute care settings;
2. recognize abnormalities when performing focused patient assessments then effectively communicate and document this information appropriately;
3. use informatics to assist patients in improving health outcomes;
4. design patient-centered teaching plans for patients with alterations in homeostasis, perfusion, oxygenation, and metabolism;
5. apply principles of fluid and acid-base balance in the provision of quality patient care;
6. demonstrate safe administration of intravenous fluids and medications;
7. apply pharmacodynamic principles when administering medications that affect homeostasis, metabolism, perfusion and oxygenation;
8. compare the abnormalities that can occur in the arterial and venous circulatory system;
9. provide safe and effective nursing care to optimize homeostasis, metabolism, perfusion, and oxygenation for patients;

10. apply pharmacological principles when administering medications that affect homeostasis, metabolism, perfusion, and oxygenation;
11. use the nursing process to develop a plan of care for patients with homeostasis, metabolism, perfusion, and oxygenation disorders;
12. recognize the physiologic consequences of hypo and hypersecretion of hormones from various endocrine glands;
13. plan care accordingly for the knowledge deficits recognized in a patient newly diagnosed with diabetes; and
14. apply basic principles of effective teaching to patients with metabolic disorders through their lifespan.

Major Topics

- I. Nursing Care to Maintain Homeostasis
 - A. Fluid and electrolyte balance
 - B. Acid-base balance
- II. Nursing Care to Optimize Perfusion
 - A. Vascular dysfunctions
 1. Hypertension
 2. Vascular insufficiency
 - B. Cardiac Dysfunctions
 1. Heart failure
 2. Infectious/inflammatory heart disease
 - C. Hematologic Dysfunctions
 1. Clotting disorders
 2. Anemia
 3. Blood transfusions
- III. Nursing Care to Optimize Oxygenation
 - A. Infectious lower airway dysfunctions
 1. Pneumonias
 2. Tuberculosis
 - B. Non Infectious lower airway dysfunctions
 1. Chronic obstructive pulmonary disease
 2. Asthma
 3. Pneumothorax
- IV. Nursing Care to Maintain Metabolism
 - A. Endocrine
 1. Diabetes mellitus
 2. Thyroid disorders
 3. Adrenal disorders

Course Requirements

An overall grade of C (75.00%) or higher is required for satisfactory completion of the course.

Grading procedures will be determined by the individual faculty member but will include the following:

Grading/exams:

A minimum of four theory examinations. The exam average must equal 75.00% or higher to pass the course.

A minimum of four quizzes

Written Assignments:

A minimum of 2 writing assignments, such as a nursing process assignment and a patient teaching project.

Students are required to utilize appropriate academic resources.

Simulation Lab/Clinical Requirements:

Attendance at all assigned clinical/laboratory experiences.

Satisfactory completion of all assignments.

Satisfactory performance in the clinical experience.

Satisfactory performance on all nursing skills tests.