

**J. Sargeant Reynolds Community College**  
**Course Content Summary**

**Course Prefix and Number:** PNG 210

**Credits:** 4

**Course Title:** Patient-Centered Care II

**Course Description:** Provides an overview of identified general concepts to implement patient-centered care. Introduces concepts of glucose regulation, fluid and electrolyte balance, perfusion, sensory perception, thermo-regulation, tissue integrity, and patient education. Expands knowledge of gas exchange and mobility. Focuses on the role of the practical nurse in health promotion and maintenance. Provides an opportunity for students in the lab to learn the skills needed to provide quality, evidence-based care in the clinical setting. Prerequisites: PNG 120, PNG 125, and BIO 142; evidence of current health and immunity status; negative TB results repeated annually; current certification of American Heart Association Basic Life Support for Healthcare Professionals; and current compliance with all program documentation requirements. Co-requisite: PNG 215. Lecture 3 hours per week. Laboratory 3 hours per week. Total 6 hours per week.

**General Course Purpose:** This course is for the practical nursing student who is demonstrating academic and direct patient care competency in application of concepts to health care maintenance.

**Course Prerequisites and Co-requisites:**

Prerequisites: PNG 120, PNG 125, and BIO 142; evidence of current health and immunity status; negative TB results repeated annually; current certification of American Heart Association Basic Life Support for Healthcare Professionals; and current compliance with all program documentation requirements

Co-requisite: PNG 215

**Student Learning Outcomes:**

Upon completing the course, the student will be able to

- a. Analyze the concepts of glucose regulation, fluid and electrolyte balance, perfusion, sensory perception, thermo-regulation, and tissue integrity (SLO 1; 2);
- b. Identify the practical nurse's role in patient education (SLO 6);
- c. Articulate the role of the practical nurse in promoting health and/or maintaining health when providing care for patients with chronic diseases (SLO 3 and 6);
- d. Demonstrate skills needed for effective airway management (SLO 1, 2, 3, 4, and 5);
- e. Demonstrate skills needed to safely implement prescriptions for assessing blood glucose levels and insulin administration (SLO 1, 2, 3, 4, and 5); and
- f. Demonstrate skills needed for evidence-based wound care (SLO 1, 2, 3, 4, and 5).

**Major Topics to Be Included:**

- a. Gas exchange
  - Airway management
  - Arterial blood gases
  - Health promotion and maintenance with respiratory issues
  - Medication and other prescriptions or treatment modalitiesExemplars: Chronic obstructive pulmonary disease (COPD), asthma  
Level: Introduce
- b. Glucose regulation
  - Diabetes across the lifespan
  - Potential complication of diabetes
  - Nutrition and diabetes
  - Medication and other prescriptions or treatment modalitiesExemplars: Juvenile diabetes, Type I diabetes, Type 2 diabetes  
Level: Introduce
- c. Fluid and electrolyte balance
  - Fluid volume excess
  - Fluid volume deficit
  - Electrolyte imbalance
  - Medication and other prescriptions or treatment modalitiesExemplars: Hypokalemia, dehydration, diuretic therapy, hyperventilation, renal failure  
Level: Introduce
- d. Mobility
  - Normal assessment data across the lifespan
  - Mobility assessment and care planning
  - Medication and other prescriptions or treatment modalitiesExemplars: Arthritis, fractures  
Level: Introduce
- e. Perfusion
  - Normal assessment data across the lifespan
  - Assessment and care planning
  - Fetal assessment data
  - Medication and other prescriptions or treatment modalitiesExemplars: Hypertension, congestive heart failure  
Level: Introduce
- f. Sensory perception
  - Normal assessment data across the lifespan
  - Hearing impairment
  - Visual impairment
  - Assessment and care planningExemplars: Hearing loss, blindness, cataracts, macular degeneration  
Level: Introduce

- g. Thermo-regulation
  - Hypothermia
  - Hyperthermia
  - Environmental versus disease causes of thermo-regulation issues
  - Assessment and care planning
  - Medications and other prescriptions or treatment modalitiesExemplars: Fever, frostbite, hyperthyroidism, heat stroke  
Level: Introduce
- h. Tissue integrity
  - Normal assessment data across the lifespan
  - Nutrition to support tissue integrity
  - Skin assessment and care planning
  - Medication and other prescriptions or treatment modalitiesExemplars: Surgical incision, decubitus ulcer, lacerations, burns  
Level: Introduce
- i. Patient education
  - Practical nurse's role
  - Health promotion and maintenance
  - Collaboration with planning and implementing patient educationExemplars: Reinforcing patient teaching evaluating patient teaching  
Level: Introduce

Campus lab concept:

- a. Gas exchange
  - Airway assessment and managementLevel: Reinforce
- b. Glucose regulation
  - Diabetes assessment and management
  - Insulin administrationLevel: Reinforce
- c. Fluid and electrolyte balance
  - Intravenous fluid administrationLevel: Introduce
- d. Mobility
  - Use of assistive devicesLevel: Reinforce
- e. Tissue integrity
  - Wound care and dressing changesLevel: Introduce

**Date Created/Updated (Month, Day, and Year):** October 9, 2018