Virginia Western Community College
NSG 106
Competencies for Nursing Practice

Course Prerequisites

BIO 141: Human Anatomy and Physiology I or NAS 161: Health Science I or BIO 231 Human Anatomy and Physiology I; Acceptance into the AAS Nursing program;

Co-requisites: NSG 100 Introduction to Nursing Concepts; NSG 130 Professional Concepts I; and NSG 200 Health Promotion and Assessment.

Pre/co requisites: BIO 142 Human Anatomy and Physiology I, or NAS 162 Health Science II, or BIO 232 Human Anatomy and Physiology II

Course Description

Focuses on the application of concepts through clinical skill development. Emphasizes the use of clinical judgment in skill acquisition. Includes principles of safety, evidence-based practice, and informatics and math computational skills. Prepares students to demonstrate competency in specific skills and drug dosage calculation including the integration of skills in the care of clients in simulated settings. Provides supervised learning experiences in college nursing laboratories, clinical/community settings, and/or simulated environments.

Semester Credits: 2 **Lecture Hours: 3** **Lab/Clinical/Internship Hours: 3**

Required Materials

1. CoursePoint for Nursing Concepts 6 book library, first year access code. **ISBN: 9781975115746**
2. vSim for Maternity and Peds Next Gen 24-month access – **ISBN: 9781975197841**
3. Kaplan
4. ATI Skills Modules

Required Lab Supplies

5. RN Tote from PocketNurse- Item #01-37-3500

Course Outcomes

At the completion of this course, the student should be able to:

- Demonstrate the use of therapeutic communication, caring behaviors and client self-determination in the implementation of clinical skills in the lab setting.
- Report patient safety issues and risks related to skill completion in a laboratory setting.
- Summarize the components of clinical reasoning, evidence-based practice and the nursing process in the implementation of clinical skills.
- Demonstrate professionalism and professional behaviors.
- Compute drug dosage calculation with 90% accuracy.

- Perform required skills safely and accurately.

Topical Description

Safety:
- Fall precautions
- Restraints

Drug Dosage Calculations:
- Conversions
- Oral and parenteral dosage calculations

Infection:
- Hand hygiene
- Personal protective equipment
- Sterile gloving and sterile fields

Mobility:
- Proper body mechanics
- Patient transfers
- Patient positioning
- Use of assistive mobility devices

Functional Ability:
- Hygiene care

Tissue Integrity:
- Wound care
- Removal of sutures and staples
- Heat and cold application

Urinary Elimination:
- Insertion and maintenance of urinary catheter
- Bladder irrigation
- Use of bed pan, urinal and commode
- Intake and output (I & O)
- Specimen collection

Bowel Elimination:
- Enemas
- Rectal tubes
- Colostomy applications
- Specimen collection

Gas Exchange:
- Coughing and deep breathing
- Incentive spirometry use

- Oxygen delivery equipment
- Artificial airways
- Suctioning: oral, tracheal, naso-tracheal
- Specimen collection

Nutrition:

- Feeding clients
- Aspiration precautions
- Nasogastric tube care, insertion, irrigation, and connecting to suction.
- Enteral feedings via NG or PEG
- Blood glucose monitoring

Pharmacology Principles:

- Medication Administration
- Drug Dosage Calculations: conversions; oral and parenteral dosage calculations
- Administration of oral, topical and parenteral medications
- Needle safety

Note to Instructors