

NUR 111 NURSING I

COURSE OUTLINE

Prerequisites:

None

Course Description:

Introduces nursing principles including concepts of health and wellness and the nursing process. Develops nursing skills to meet the biopsychosocial needs of individuals across the lifespan. Includes math computational skills, basic computer instruction related to the delivery of nursing care, communication skills, introduction to nursing, health, the health care system, legal aspects of nursing care, diagnostic testing, assessment, teaching and learning, asepsis, body mechanics and safety, personal care, activity/rest, wound care, nutrition, elimination, oxygenation, fluid and electrolytes, pain control, medication administration, aging populations and pre/post operative care. Provides supervised learning experiences

Semester Credits: 7 Lecture Hours: 4 Lab/Recitation Hours: 9

VIRGINIA WESTERN COMMUNITY COLLEGE
PO Box 14007
Roanoke, VA 24038
(540)-857-7273



111 NURSING ONE

Course Outcomes

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

Identify current knowledge utilizing the nursing process in providing care for clients and their families.

2. Recognize the nursing process includes effective communication skills, documentation and critical thinking directed toward promoting positive health outcomes
3. Recognize that basic needs include safety, personal care, activity/rest, nutrition, and elimination.
4. Discuss oxygenation, F&E, pain control, med admin, pre and post-operative care as it relates to

Required Materials: Basic function calculator

Textbooks:

[Click here to enter text.](#)

Buchholz, S. (2016). Henke's Med-Math: Dosage Calculation, Preparation & Administration (8th Ed.). Philadelphia, PA: Wolters Kluwer/Lippincott, Williams, & Wilkins. ISBN 9781496302847

CoursePoint + for Taylor's Fundamental Skills ISBN 9781496323842

Taylor, Carol R., Lillis, Carol, LeMone, Priscilla, & Lynn, Pamela (2015). Fundamental's of Nursing (8th Ed). Philadelphia, PA: Wolters Kluwer/Lippincott, Williams, & Wilkins. ISBN 978-1-4511-8561-8

Lynn, Pamela (2015) Skills Checklists for Taylor's Clinical Nursing Skills (4th Ed.). ISBN 978-1-4511-9273-5

VIRGINIA WESTERN COMMUNITY COLLEGE
PO Box 14007
Roanoke, VA 24038
(540)-857-7273



Topical Description

MATHEMATIC'S REVIEW

- Chapter 1: Roman Numerals
- Chapter 2: Fractions
- Chapter 3: Decimals
- Chapter 4: Ratio and Proportion
- Chapter 5: Percentages

SYSTEMS OF MEASUREMENT

- Chapter 6: Metric System
- Chapter 7: Apothecary and Household Systems
- Chapter 8: Converting Within and Between Systems
- Chapter 9: Additional Conversions Useful in the Health Care Setting

METHODS OF ADMINISTRATION & CALCULATION

- Chapter 10: Medication Administration
- Chapter 11: Understanding & Interpreting Medication Orders;
- Chapter 12: Medication Administration Records and Drug Distribution Systems
- Chapter 13: Reading Medication Labels
- Chapter 14: Dosage Calculation Using the Ratio and Proportion Method
- Chapter 15: Dosage Calculation Using the Formula Method
- Chapter 16: Dosage Calculation Using the Dimensional Analysis Method

ORAL & PARENTERAL DOSAGE FORMS AND INSULIN

- Chapter 17: Calculation of Oral Medications
- Chapter 18: Parenteral Medications
- Chapter 19: Reconstitution of Solutions
- Chapter 20: Insulin

INTRAVENOUS, HEPARIN, & CRITICAL CARE CALCULATIONS AND PEDIATRIC DOSAGE CALCULATIONS

- Chapter 21: IV Solutions & Equipment
- Chapter 22: IV Calculations (mL/h & drops/min)
- Chapter 25: Pediatric & Adult Dosage Calculation Based on Weight

VIRGINIA WESTERN COMMUNITY COLLEGE
PO Box 14007
Roanoke, VA 24038
(540)-857-7273

