

RNSG 1931.837 - Introduction to Nursing Principles of Pharmacy (version 201512L)

Course Title Course Development Learning Support

Introduction to Nursing Principles of Pharmacy Institutionally Developed No
 College: Southern Regional Technical College

Course Description

This course is a study of the concepts that promote the administration of medication with concern for safety and precision. Incorporated into this course are major principles of applied mathematics including fractions, decimals, conversions between the various systems of weights and measures, and the use of ratio and proportion. The associate degree nursing student utilizes these concepts to solve dosage calculations that are frequently seen in a variety of health care settings. Foundations of pharmacology, drug action at the physiologic level, and drug preparation and administration to diverse clients as they transition throughout the lifespan is included. The action, side effects, range of dosage, and the route of administration of commonly used medications will be discussed. Legal factors relating to medication administration are also emphasized. The course utilizes activities that stimulate critical thinking.

Pre-requisites

Pre-requisites: All Required

Program Admission
BIOL 2113 - Anatomy and Physiology I (201003L)
BIOL 2113L - Anatomy and Physiology Lab I (201003L)
BIOL 2114 - Anatomy and Physiology II (201003L)
BIOL 2114L - Anatomy and Physiology Lab II (201003L)
ENGL 1101 - Composition and Rhetoric (201003L)
MATH 1111 - College Algebra (201312L)

Co-requisites

Co-requisites: All Required

BIOL 2117 - Introductory Microbiology (201003L)
BIOL 2117L - Introductory Microbiology Lab (201003L)
RNSG 1911.837 - Health Assessment through the Lifespan (201512L)
RNSG 1920.837 - Theoretical and Technical Foundations for Nursing Practice (201003L)

Course Length

	Minutes	Contact Hour	Semester Credit	WLU
Lecture:	1500	30		
Lab 2:	1500	30		
Lab 3:	0	0		
Total:	3000	60	3	
Semester Credit Hours:			3	105
Breakout Detail of Lab 3				
Practicum/Internship	0	0		
Clinical	0	0		

Competencies & Outcomes

Order	Description	Lecture	Lab 2	Lab 3	Total Min	Credit Hrs	Pract Intern	Clinical
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1 **Introduction to Pharmacology, Drug Calculation, & the Nursing Process in Administering Medications** 600 600 0 1200 0 0 0

Order	Description	Learning Domain	Level of Learning
1	State the ten rights of drug administration.	Cognitive	Knowledge
2	Identify patient safety concerns: errors, orders, labels, records.	Cognitive	Knowledge
3	Solve dosage problems using basic math such as addition, subtraction, multiplication and division of decimals and fractions to solve dosage problems.	Cognitive	Application
4	Interpret the various abbreviations utilized in medication administration.	Cognitive	Evaluation
5	Identify principles of teaching/learning related to medication administration.	Cognitive	Knowledge
6	Discuss legal/ethical issues as related to medication administration.	Cognitive	Comprehension
7	Demonstrate administering an oral medication.	Psychomotor	Guided Response
8	Demonstrate withdrawing medication from an ampule.	Psychomotor	Guided Response
9	Demonstrate withdrawing medication from a vial.	Psychomotor	Guided Response
10	Demonstrate mixing insulin in one syringe.	Psychomotor	Guided Response
11	Demonstrate administering a subcutaneous injection.	Psychomotor	Guided Response
12	Demonstrate administering an intramuscular injection.	Psychomotor	Guided Response
13	Demonstrate starting an IV and Hanging of IV Fluids for adult and child.	Psychomotor	Guided Response
14	Demonstrate administering IV Piggyback Medications	Psychomotor	Guided Response
15	Demonstrate administering of sensory medications	Psychomotor	Guided Response
16	Demonstrate how to calculate pediatric and advance drug calculations problems	Cognitive	Application

2 **Medication Administration across the Lifespan** 400 450 0 850 0 0 0

Order	Description	Learning Domain	Level of Learning
1	Discuss pharmacologic effects of drugs on the body.	Cognitive	Comprehension
2	Discuss the impact of herbal treatments on medication administration	Cognitive	Comprehension
3	Discuss the impact of blood transfusions on medication administration	Cognitive	Comprehension
4	Discuss the nursing process and patient center care of drug administration	Cognitive	Comprehension

3 **Therapy to Treat Transitional** 500 450 0 950 0 0 0

Episodes

Order	Description	Learning Domain	Level of Learning
1	Discuss therapeutic outcomes expected with certain drug classifications.	Cognitive	Comprehension
2	Discuss food-drug and drug-drug interactions with specific medications.	Cognitive	Comprehension
3	Apply assessment findings in relation to drug administration.	Cognitive	Application
4	Discuss specific patient teaching concerns for certain medications.	Cognitive	Comprehension
5	Identify specific safety issues related to certain medications.	Cognitive	Knowledge
6	Demonstrate knowledge of when to collaborate with others concerning medication administration.	Psychomotor	Guided Response

	Lecture	Lab 2	Lab 3	Total Min	Cred Hrs	Pract Intern	Clinical
Competency Totals:	1500	1500	0	3000	3	0	0

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