

**BLINN COLLEGE
Syllabus**

VNSG 1227

Date of revision: _____

Faculty Date

Dean,
Technical/Workforce Education Date

Faculty Date

Vice President
Academic Affairs Date

Essentials of Medication Administration VNSG 1227

Purpose Statement

The primary purpose of Essentials of Medication Administration - VNSG 1227 is to prepare learners to assume entry level competencies of the vocational nurse.

Course Description

General principles of medication administration including determination of dosage, preparation, safe administration, and documentation of multiple forms of drugs. Instruction includes various systems of measurement.

Topics include but not limited to Roman numerals; fractions; decimal fractions; ratio and percent; proportion; mathematical equivalents used in pharmacology; calculating drug dosages; nursing process; legal aspects affecting administration of medications; basic concepts in pharmacology; preparing and administering medications. The students participate in pharmacology simulated lab for oral and injectable medication administration.

The course consists of two class hours and one laboratory hour per week.
Credit: Two semester hours.

Prerequisite: admission into the Vocational Nursing program.

Student Learning Outcomes

After completion of Essentials of Medication Administration - VNSG 1227, the student will:

- * demonstrate accurate dosage calculations
- * discuss the principles of medication administration safety
- * identify the elements of accurate documentation of medication administration
- * **explain the four steps in a systematic process (i.e., nursing process) which include assessment, planning, implementation and evaluation.**
- * **describe the relationship between the nursing plan of care, the therapeutic regimen, and the plans of other health care professionals.**
- * **discuss the properties, effects, and principles underlying the use and administration of pharmacotherapeutic agents.**

SCANS

Secretary's Commission on Achieving Necessary Skills

SCANS is an attempt to help make courses more relevant to the needs of a modern work force. SCANS is divided into two types of skills: competencies and foundations. The competencies are the ability to manage resources, to work amicably and productively with others, to acquire and use information, to master complex systems, and to work with a variety of technologies. Foundation skills are organized into the basic literacy and computational skills, the thinking skills necessary to put knowledge to work, and the personal qualities that make workers dedicated and trustworthy. Both are required for successful performance in most jobs.

The following SCANS competencies and foundation skills are used in VNSG 1227: C1, C3, C5, C6, C7, C8, C9, C14, C15, C16, C17, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F13, F15, F17 (see attached).

Learning Activities

Lectures, classroom assignments, student interactions such as group activities, lesson assignments such as worksheets and workbooks, demonstrations, structured laboratory settings and simulated laboratory practices, audiovisuals, computer software/tutorials.

Grading System

Grading scale is as follows:

90 - 100 = A
80 - 89 = B
75 - 79 = C
Below 75 = F
WP = withdrawn passing
WF = withdrawn failing

Course consists of minimum of 4 major exams, daily grades and a final exam. Final course grade is determined as follows:

major exams 1/3,
*daily grade 1/3,
final exam 1/3.

*Consists of quizzes, objectives, designated student assignments.

Outcome Inventory

Evaluation on the success of this course includes satisfactory completion of

course by the learner.

Calendar

Course material is distributed during the semester. Course timing is given the learner at the beginning of the course as outlined in the student information sheet.

Materials

Required:

Pickar, Gloria
Dosage Calculations
Sixth Edition
Delmar Publishers, 1999
Albany, NY

Woodrow, Ruth
Essentials of Pharmacology for Health Occupations
Fourth Edition
Delmar Publishers, 2003
Albany, NY

deWit, Susan C.
Fundamental Concepts and Skills for Nursing
W. B. Saunders Company, 2001
Philadelphia, PA

Student Learning Guide for
Fundamental Concepts and Skills for Nursing

Deglin, Judith
Davis's Drug Guide for Nurses
Eighth Edition
F. A. Davis Company, 2003
Philadelphia, PA

Mosby's Pocket Dictionary of Medicine, Nursing and Allied Health
Fourth Edition
Mosby, Inc., 2002
St. Louis, MO
or

Taber's Cyclopedic Medical Dictionary
Nineteenth Edition
F. A. Davis Company, 2001
Philadelphia, PA

**VOCN PROGRAM
SCANS COMPETENCIES**

Student Name: _____ SS# _____ - _____ - _____
Semester: _____ Date: _____

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Baseline	Competency	Activity To Evaluate Baseline Competency
COMPETENCY STATEMENTS		
Resources	C 1	Completes assignments as instructed.
Information	C 3	Administering simulated medications
	C 5	Apply nursing process and simulate drug administration
	C 6	Transcribes and charts simulate drug administration.
	C 7	Charts simulate drug administration and effectiveness.
	C 8	Computer assignments are completed with a passing grade.
Interpersonal Skills	C 9	Interacts with students and instructors in-group activities.
	C 14	Interacts with students and instructors in-group activities.
Systems	C 15	Understand and use metric and apothecary equivalents with accuracy.
	C 16	Uses critical thinking with question on exams.
	C 17	Transcribe drug orders accurately.
FOUNDATION SKILLS		
Basic Skills	F 1	Reading assignments
	F 2	Prepare reports
	F 3	Drug calculations using basic math skills.
	F 4	Drug calculations using higher math skills.
	F 5	Attends lectures to receive course information
	F 6	Presents reports with groups using innovating ways to present material and utilize critical thinking skills.
Thinking Skills	F 7	Presents reports with groups using innovating ways to present material and utilize critical thinking skills.
	F 8	Completes assignments and exams
	F 9	Utilize critical thinking with questions on exams
	F 10	Describe steps taken in the administration of medications by IM, IV and Sub Q routes
	F 11	Complete assignments and exams
	F 12	Utilize critical thinking with questions on exams

Personal Qualities	F 13	Complete assignments and exams
	F 15	Presents reports with groups using innovating ways to present material and utilize critical thinking skills.
	F 17	Completes all assignments with honesty

NOTE: Student must meet all baseline competencies to pass the course. The above named student _____ has _____ has not mastered all baseline competencies for this course.

_____ **Instructor (print)** _____ **Instructor**
signature/date