

**HOUSTON COMMUNITY COLLEGE**  
**Coleman College for Health Sciences**  
**Vocational Nursing Program**  
**VNSG 1227- Essentials of Medication Administration**  
**CRN 16739 SPRING 2017**  
Coleman Campus-Room TBA  
Lecture /Discussion, Power-Point, Eagle Online, Case Studies  
48 Hours per semester/16 weeks/ 2 hour lectures/ 1 hour Lab  
Tuesday 8:00AM- 11:00 AM

<b>Course Number and Title:</b>	VNSG 1227 Essentials of Medication Administration
<b>Credit Hours:</b>	Two (2)
<b>Class Hours:</b>	Two (2)
<b>Lab Hours</b>	One (1)
<b>Placement of Course:</b>	Level I
<b>Faculty/Instructor Information</b>	Ms. Harriet Adedoyin Tuyo, RN, MSN, APN 1900 Pressler, Ste.319, Rm. 316 Houston, Texas 77030 Office: (713) 718-7335 E-Mail: <a href="mailto:Harriet.adedoyin-tuyo@hccs.edu">Harriet.adedoyin-tuyo@hccs.edu</a> Office Hours: M-F 2:00-4:00 pm  Ms. Latona Banks, RN 1900 Pressler, Ste. 319, Rm 321 Houston, Texas 77030 Office: (713) 718- 7339 Email: <a href="mailto:Latona.Banks@hccs.edu">Latona.Banks@hccs.edu</a> Office Hours: M-F 2:00-4:00 pm
<b>Prerequisites/Co-requisites</b>	Successful completion of VNSG 1320 and VNSG 1216

**Course Description:**

This is a beginning course that introduces the student to medication administration and drug calculation in children and adults. Emphasis will be placed on the pharmacological aspect of drug classifications including the uses, actions, pharmacodynamics, indications, pharmacokinetics, contraindications, adverse effects, and nursing implications. Oral, sublingual, intramuscular, intradermal and subcutaneous administration methods are covered. Additionally, the student is taught how to calculate drug dosage for patients when medications are delivered in amounts and formats that are not equivalent to what has been prescribed. Student practice involves reading drug orders, calculating the dosage, diluting and drawing up injectable medications, delivering the medication, and documenting the medication administration. The legal, ethical, and safety principles of drug administration are included as well as the role/s and competencies of the professional vocational nurse as they relate to drug administration.

## **Course Objectives:**

1. Identify the rights of patients in regards to medication administration.
2. Discuss drug classifications including the uses, actions, pharmacodynamics, indications, pharmacokinetics, contraindications, adverse effects, and nursing implications.
3. Identify the classifications of drugs used for various system disorders.
4. Calculate, accurately, drug dosages using provided methods and/or formulas.
5. Administer medications using provided procedures.
6. Provide patient with education regarding a newly prescribed medication.
7. Identify special precautions in drug administration to children and the elderly.
8. Describe the DEC Competencies (2010) as they relate to drug administration in the practice of the licensed vocational nurse. (see attached list)
9. Discuss professional nurse role behaviors, to include caring, safety, and advocacy, as they relate to medication administration within the context of the health-care team.

## **Catalog Learning Outcomes**

The student will demonstrate accurate dosage calculation; discuss the principles of medication administration, identify the classification of drugs used for various disorders of the systems, administration safety and identify the elements of accurate documentation of medication administration.

### **Required Textbooks**

Roach, S. S. & Ford, S. M. (2014). Introductory Clinical Pharmacology (10th ed.). Philadelphia, PA: Lippincott Williams & Wilkins.

Morris, D. (2014). Calculate with confidence. (6<sup>th</sup>Ed.)

### **Recommended Textbooks**

Medical dictionary-Lippincott or Tabers

Drug reference

### **Methods of Instruction**

Lecture, Discussion, Power-Point, Turning Point, Eagle Online, Case Studies, Handouts/Practice Problems.

\*A computer with Internet access is REQUIRED for this class. Computer access is available at any HCCS campus for your convenience.

### **Methods and Standards of Evaluation**

In order to pass the course VNSG 1227 the student must achieve a grade of 75 in the course. The grading scale used for students admitted to the Vocational Nursing program is as follows:

90-100 = A

80-89.99 = B

75-79.99 = C

60-74.99 = D

< 60 = F

**There will be mandatory required assignments in this course. All assignments will have a due date. Assignments submitted after the due date will not be accepted. All assignments are expected to be completed by the individual student.**

### **Evaluation Methods**

Five (4) computer-generated multiple choice exams will be administered. One (1) hour will be allowed for the exam and 30 minutes will be allowed for review of the completed exam. Two (2) hours will be allowed for the final examination. Refer to course calendar for date and times of exams. Refer to Student Handbook pg. 34-35 for Examination Guidelines.

Exam 1	15% of Grade
Exam 2	15% of Grade
Exam 3	15% of Grade
Exam 4	15% of Grade
Math Quizzes	10% of Grade
Drug Profile	5% of Grade
Final Exam	15% of Grade
ATI	10% of Grade

## **ATI GRADING RUBRIC**

### **Practice Assessment**

**2 points**

**Required:** Practice Assessment A

**Remediation:** • Minimum one hour Focused Review • **For each topic missed, complete an active learning template and/or identify three critical points to remember.**

**2 points**

**Required:** Practice Assessment B

**Remediation:** • Minimum one hour Focused Review • **For each topic missed, complete an active learning template and/or identify three critical points to remember.**

### **Proctored Assessment**

**Level 3= 4 points**

**Remediation: 2 pts**• Minimum one hour Focused Review • **For each topic missed, complete an active learning template and/or identify three critical points to remember.**

**Level 2= 3 points**

**Remediation: 2 pts**• Minimum two hour Focused Review • **For each topic missed, complete an active learning template and/or identify three critical points to remember.**

**Level 1= 1 point**

**Remediation: 2 pts**• Minimum three hour Focused Review • **For each topic missed, complete an active learning template and/or identify three critical points to remember**

**Below Level 1=0**

**Remediation: 2 pts**• Minimum four hour Focused Review • **For each topic missed, complete an active learning template and/or identify three critical points to remember**

**No Retake**

**No Retake**

**Retake recommended**

**Retake**

(optional)  
10/10 points

(optional)  
9/10 points

7/10 points

recommended  
6/10 points

### Examination Guidelines

1. If sounds from an electronic device (phones/pagers, video game, etc.) occur, the student will be asked to leave the class or computer lab for the remainder of the class/testing session and absent time will be accumulated. If a dismissal occurs from the computer lab during testing the grade at time of dismissal will be recorded as zero (0).
2. Do not bring books, backpacks, roller carts, purses and electronic devices into computer lab on scheduled test and review dates. One entry into the review is allowed. Students who re-enter exams and/or reviews are subject to disciplinary action as defined by the Program Director. There will be no rounding of grades.

**A MINIMUM COURSE GRADE OF 75% MUST BE ACHIEVED IN ALL VOCATIONAL NURSING COURSES FOR THE STUDENT TO PASS. THERE ARE NO EXCEPTIONS. ANY COURSE GRADE BELOW 75% MUST BE REPEATED FOR NURSING CREDIT. FINAL GRADES AND UNIT EXAM GRADES WILL NOT BE ROUNDED. ALL EXAMS ARE ADMINISTERED ON LINE. EXAM REVIEWS WILL BE ANNOUNCED**

### Make-Up Policy

Any regularly scheduled course exam **WILL NOT** be made up. If the student must be absent on the day an exam is given, a grade of 50% will be given. A grade of zero (0) will be given for a missed final examination.

### EGLS3: Evaluation for Greater Learning Student Survey System

At Houston Community College, professors believe that thoughtful student feedback is necessary to improve teaching and learning. During a designated time, you will be asked to answer a short online survey of research-based questions related to instruction. The anonymous results of the survey will be made available to your professors and division chairs for continual improvement of instruction. Look for the survey as part of the Houston Community College Student System online near the end of the term.

### Attendance and Withdrawal Policy:

Consistence, punctual class attendance is essential. Students who are absent more than 12.5 % (6 hours or 2 days) of the hours of Instruction will be administratively withdrawn from the course. Tardy/absence is defined as any time not in class. If you arrive to class after the scheduled time or leave class early, the number of minutes not present will count towards the accumulation of absence hours. Students will be responsible for signing the roll each class day. **Three tardies equal one absence.**

### **Failure to sign the roll will result in an absence.**

You **MUST** visit with a faculty advisor, a counselor, or on-line student services at <http://studentservicesonline.hccs.edu/> prior to withdrawing (dropping) the class and this must be done prior **to Monday April 3, 2017 at 4:30 pm** to receive a "W" on your transcript. After that deadline, you will receive a failing grade of "F". See HCC Vocational Nursing

Student Handbook, p.31-32, for attendance policies; p. 48 for withdrawal policies.

### **SCANS Competency**

The VNSG 1227 Course covers two SCANS Workplace Competencies:

Use Information Skills: #7 Organize Information
Enhance Basic Skills: #32 Demonstrate Mathematics Skill

### **SCANS Competency**

Upon successful completion of VNSG 1227 the student will be able to: demonstrate accurate dosage calculation; discuss the principles of medication administration safety; identify the elements of accurate documentation of medication administration; and identify the classification of drugs used for various disorders of the systems.

### **Students with Disabilities:**

#### Americans with Disabilities Act (ADA)

HCCS recognizes its responsibility not to discriminate against anyone who has a documented disability that substantially limits one or more major life activities; has a record of such impairment; or is regarded as having an impairment. Specific policies have been established to enable students with documented disabilities who are otherwise qualified, to request accommodations which would allow them equal access to the College under Section 504 of the Rehabilitation Act of 1973 and under the Americans with Disabilities Act of 1990.

A *new*, updated letter of accommodation should be submitted to instructors within the first three days of each semester. Students who submit a letter of accommodation any time after the first three days of a semester should expect to begin receiving accommodations following a 24-hour time frame for instructors to implement new changes.

Obtaining reasonable accommodations is an interactive process that begins with the student's disclosure of his/her disability directly with the ADA Counselor in Ability Services. The ADA Counselor for the Coleman College is located in room 101 of the Learning Success Center (LSC).

Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc...) who needs to arrange reasonable accommodations must contact the Disability Services Office at their perspective college at the beginning of each semester. Faculty is authorized to provide only the accommodations requested by the Disability Support Services Office. For additional information call Donna Price at 713-718-[5165](tel:713-718-5165) or [eamil donna.price@hccs.edu](mailto:eamil.donna.price@hccs.edu).

Evaluation for Greater Learning Student Survey system at Houston Community College is believed by professors as being a thoughtful way for students to give feed- back that is necessary to improve teaching and learning during a designated time. The student's will be instructed to answer a short online survey of ~~research~~-based questions related to instruction. The anonymous results of the survey will be made available to your professors and division chairs for continual improvement of instruction. Look for the survey as part of the Houston Community College Student System online near the end of the term.

## **Students' Rights:**

### **Title IX: Sex Discrimination and Sexual Misconduct**

The Houston Community College is committed to providing a learning and working environment that promotes personal integrity, civility and mutual respect in an environment free of discrimination and harassment on the basis of race, color, religion, sex, gender identity and gender expression, national origin, age, disability, sexual orientation, or veteran status.

Sex discrimination includes all forms of sexual and gender-based misconduct. Sex discrimination violates an individual's fundamental rights and personal dignity. HCC is committed to the principle that the working environment of its employees and the classroom environment for students should be free from inappropriate conduct of a sexual or gender-based nature including sex discrimination, sexual assault, sexual harassment, and sexual violence by employees, students or third parties. Sexual and gender-based misconduct is unprofessional and will not be tolerated and is expressly prohibited. Individuals who engage in such conduct will be subject to disciplinary action.

Title IX of the Education Amendments of 1972 ("Title IX"), 20 U.S.C. §1681 *et seq.*, is a Federal civil rights law that prohibits discrimination on the basis of sex—including pregnancy and parental status—in educational programs and activities. Students who become pregnant during the program should consult with the Program Director as well as the Ability Services Counselor to be sure they understand their rights under Title IX. In situations that involve absence from class, this consultation may include a discussion about receiving Incomplete Grades instead of a full term withdrawal, the ability to voluntarily leave the program based on agreed terms for return, the opportunity to resume enrollment without being subject to a new admission process, and return with restrictions as long as accommodations provided through Ability Services effectively helps the student meet the Program's Essential Functions. Students should contact the Counselor in Ability Services for assistance with requesting and receiving academic accommodations due to pregnancy or parental status.

Students who believe that they have been the victim of misconduct prohibited by these regulations may submit a complaint to initiate College action. More information regarding your rights under Title IX and complaint forms are available online at:

<http://www.hccs.edu/district/departments/institutionalequity/title-ix-know-your-rights/>

#### **Title IX Coordinator**

**James David Cross, Director of EEO/Compliance**

**HCC Office of Institutional Equity**

**3100 Main, Room 702**

**P.O. Box 667517**

**Houston, TX 77266-7517**

**(713) 718.8271**

**Students with Disabilities:** See HCC Vocational Nursing Handbook, pg. 12

**Statement of Academic Honesty:** See HCC Vocational Nursing Handbook, p. 35,

**Major HCC Policy on use of Recording Devices:** See HCC Vocational Nursing Handbook,  
p.12

## Differentiated Essential Competencies (DECs) Of Graduates of Texas Nursing Programs- Vocational Nursing (VN)

VNSG 1227 Essentials of Medication Administration

<b>I. Member of the Profession</b>	<b>A. Function within the nurse’s legal scope of practice and in accordance with the policies and procedures of the employing health care institution or practice setting.</b>
	<ol style="list-style-type: none"> <li>1. a. Texas Nursing Practice Act.</li> <li>    b. Texas Board of Nursing Rules, Position Statements, and Guidelines.</li> <li>    c. Federal, state, or local laws, rules, and regulations affecting nursing practice.</li> <li>2. Nursing scope of practice in relation to delegated medical acts and facility policies</li> <li>3. Standards and guidelines from professional organizations.</li> <li>4. Facility policies and procedures.</li> </ol>
	<b>B. Assume responsibility and accountability for the quality of nursing care provided to patients and their families.</b>
	<ol style="list-style-type: none"> <li>1. a. Texas Board of Nursing Standards of Practice.</li> <li>    b. National standards of vocational nursing practice and care.</li> <li>    c. National Federation of Licensed Practical Nurses Code of Ethics</li> <li>    d. Advocacy process.</li> </ol>
	2. Legal parameters of vocational nursing practice and the Texas Nursing Practice Act, including Safe Harbor.
	3. Issues affecting the vocational nurse role and the delivery of culturally-sensitive care to patients and their families.
	7. a. Professional characteristics and values such as altruism, human dignity, truth, justice, freedom, equality, and esthetics. Aspects of professionalism including attention to appearance and demeanor. Communication techniques to maintain professional boundaries.
<b>II. Provider of Patient-Centered Care</b>	<b>B. Assist in determining the physical and mental health status, needs, and preferences of culturally, ethnically, and socially diverse patients and their families based on interpretation of health-related data.</b>
	7. Common disease processes, medication administration, and other therapies and treatments.
	<b>C. Report data to assist in the identification of problems and formulation of goals/ outcomes and patient-centered plans of care in collaboration with patients, their families and the interdisciplinary health care team.</b>
	8. Concepts from basic sciences and support courses.
	<b>E. Implement aspects of the plan of care within legal, ethical, and regulatory parameters and in consideration of patient factors.</b>
	<ol style="list-style-type: none"> <li>6. a. Properties, effects, and basic principles underlying the use and administration of pharmacotherapeutic agents, including patients’ responses.</li> <li>    b. Effects of misuse of prescription and nonprescription medications and other substances.</li> </ol>
	<b>F. Identify and report alterations in patient responses to therapeutic interventions in comparison to expected outcomes.</b>
	1. Mechanisms to evaluate specific nursing interventions and patient outcomes.
	2. Factors indicating changes that have potential for life-threatening consequences based on knowledge of life sciences.
	<b>G. Implement teaching plans for patients and their families with common health problems and well-defined health learning needs.</b>
	1. Lifespan development and common situational variables affecting learning, such as stress, pain, and fear.



	2. Basic principles of the teaching/ learning process.
<b>III. Patient Safety Advocate</b>	B. Implement measures to promote quality and a safe environment for patients, self, and others.
	1. A systematic problem-solving process in the care of patients and their families.
	2. a. Priority setting based on patient health status and individual characteristics. b. Clinical reasoning processes.
	<b>B. Assist in determining the physical and mental health status, needs, and preferences of culturally, ethnically, and socially diverse patients and their families based on interpretation of health-related data.</b>
	4. Principles of a culture of safety including safe disposal of medications and hazardous materials.
<b>IV. Member of the Health Care Team</b>	<b>A. Communicate and collaborate with patients, their families, and the interdisciplinary health care team to assist in the planning, delivery, and coordination of patient-centered care to assigned patients.</b>
	4. a. Patient advocacy and consumer rights and responsibilities. b. Legal and ethical processes related to healthcare.

**HOUSTON COMMUNITY COLLEGE: VOCATIONAL NURSING PROGRAM**

**VNSG 1227: ESSENTIALS OF MEDICATION ADMINISTRATION COURSE**

**EXPECTATIONS CONTRACTUAL AGREEMENT**

I, \_\_\_\_\_, have read the syllabus and fully understand the expectations of me as a student in this course.

I acknowledge that I am aware that the V.N. P Student Handbook is on the VNSG 1227 website and I am accountable for following the policies and procedures discussed in the handbook.

In addition, I agree to neither give nor receive any information about test content in this course.

My signature below signifies my willingness to comply with the course requirements. I also understand that the syllabus is online and it is my responsibility to obtain a printed copy.

\_\_\_\_\_

E-Mail Address

\_\_\_\_\_

Phone Number

\_\_\_\_\_

Printed Name

\_\_\_\_\_

Signature

Date

