

El Paso Community College
Syllabus
Part II
Official Course Description

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| SUBJECT AREA | <u>Vocational Nursing</u> |
| COURSE RUBRIC AND NUMBER | <u>VNSG 1227</u> |
| COURSE TITLE | <u>Essentials of Medication Administration</u> |
| COURSE CREDIT HOURS | <u>2 1 :</u> <u>4</u> |
| | Credits Lec Lab |

I. Catalog 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. Applies the nursing process and critical thinking in the administration of oral, topical, enteral, and parenteral medications by the vocational nursing student. A grade of "C" or better is required in this course to take the next course. **Prerequisite: MATH 0305 with a "C" or better or by placement exam. Corequisites: VNSG 1160 and VNSG 1323 and VNSG 1402 and VNSG 1260. (1:4). Lab fee.**

II. Course Objectives

Upon satisfactory completion of this course, the student will be able to

A. Unit I. Nurse as a Provider of Patient-Centered Care

1. Discuss the steps of the systematic problem-solving process (Nursing Process) that the vocational nurse utilizes when administrating medications. (SLO#1, 2, 3, 4)
2. Describe how the vocational nurse uses the critical thinking skills and evidence based nursing practices and policies as a basis for decision making in the administration of medications. (SLO#1, 2, 3, 4)
3. Identify effective communication techniques that the vocational nurse uses in regard to medication administration, including documentation. (SLO#2, 5)
4. Identify biological, psychological, sociological, cultural, and communication factors across the lifespan that impact medication administration and therapy. (SLO#2, 3)
5. Discuss how the vocational nurse's personal and professional values can influence patient-centered nursing care and medication administration. (SLO#3, 4)
6. Explain the role of the vocational nurse in the teaching-learning process in medication administration and therapy. (SLO#1)
7. Discuss the concept of caring in regards to medication administration. (SLO#2)
8. Perform mathematical conversions and calculations for safe medication administration. (SLO#2, 3)

B. Unit II. Nurse as a Member of the Health Care Team

1. Discuss the vocational nurse's role and responsibilities as a member of the interdisciplinary health care team in regards to medication administration. (SLO#5)
2. Explain how the vocational nurse advocates for the patient during medication therapy. (SLO#2)
3. Distinguish medication assignments that are appropriate for the vocational nurse. (SLO#3, 5)
4. Identify resources that promote continuity of care in regards to medication administration and therapy. (SLO#2, 5)
5. Summarize how the vocational nurse uses technology and informatics in medication administration. (SLO#4)

C. Unit III. Nurse as a Member of the Profession

1. Describe the legal aspects of medication administration. (SLO #3, 4)
2. Discuss the vocational nurse professional characteristics and values as they apply to medication administration. (SLO#3)
3. Recognize the vocational nurse's responsibility to maintain competencies in medication administration (SLO#3, 4)

D. Unit IV. Nurse as a Patient Safety Advocate

1. Explain the Texas Nursing Practice Act and the Texas Board of Nursing Rules that emphasizes safety in regards to the vocational nurse administering medications. (SLO#3)
2. Discuss the federal, state, and local governments and accreditation organizations safety requirements and standards in regard to medication administration. (SLO#3)
3. Identify measures that promote quality patient-centered care and a safe environment when the vocational nurse is administering medications. (SLO#3, 4)
4. Discuss the vocational nurse's role and responsibilities with medication administration during a disaster and bioterrorism incident. (SLO#3, 4)

E. Unit V. Laboratory Skills

1. Demonstrates knowledge and competency of medication administration skills in providing patient care to include: orals, topical, and parenteral medications. (SLO#3)

III. Student Learning Outcomes (SLO's): VOCATIONAL NURSING

Nursing Program Student Learning Outcomes (SLO's) assess the knowledge, skills/abilities, and/or attitudes that display behavioral evidence which the students have attained from their educational experiences. The ongoing assessment of Student Learning Outcomes is specifically linked to the El Paso Community College Mission Statement, Institutional Strategic Goals, Program Review, and the Nursing Mission and Vision statement. Nursing Program Student Learning Outcomes specifically describe the end result of the Nursing program.

| Student Learning Outcomes – SLO's |
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| 1. Integrate teaching-learning principles by developing, presenting, evaluating and modifying teaching plans to meet the needs of patients and their families. |
| 2. Utilize nursing -clinical judgment, communication skills and a systematic process when advocating for safe caring and compassionate patient-centered care to culturally diverse patients and their families across the lifespan in a variety of health care settings. |
| 3. Assume accountability for the quality of patient-centered nursing care within the legal scope of nursing practice consistent with ethical principles and professional values and standards. |
| 4. Provide evidence-based nursing care that promotes safety for the patient, family and their environment, while utilizing current technologies and nursing informatics. |
| 5. Collaborate and co-ordinate with patients, their families and the interdisciplinary/multidisciplinary health care team to implement best practices and to address health promotion and disease prevention, health maintenance and health restoration based on the individual's perception of their health needs. |

Revisions to SLO's Fall 2011 & 6-7-2012
Revised: May 2018

IV. THECB Learning Outcomes (WECM)

1. Demonstrate accurate dosage calculation.
2. Demonstrate safe medication administration.
3. Accurately document medication administration.

V. Evaluation

A. Proficiency Exam

Any student wishing to do a Proficiency Exam for a nursing course should speak to the VN Program Coordinator and/or to the Nursing Counselor. All nursing courses can be challenged if available. (See College Proficiency Exam Procedure.) Also see procedure in the Nursing Student Handbook.

B. Articulation

Articulated credit from many area high schools is available for graduates with high school health occupations courses. Students who have previously completed a vocational nursing program will be able to transfer their vocational nursing courses to this program under the Texas Nursing Articulation Plan.

- C. Evaluation for this course consists of written examinations, theory laboratory exams, and laboratory skills.

1. Written Examinations = 80%

There will be a **total of three (3) unit calculation exams and a comprehensive final exam.**

Each unit exam is worth 20 % of the total grade. Each exam will test over the course objectives for calculations and the theory portion of the class lectures.

The final exam is worth 20% of the total grade and has two parts.

In the event of an absence on an exam day, the student must notify the instructor giving the exam, prior to the time the exam is scheduled. Only valid excuses are accepted. Failure to take an exam on a designated day or failure to notify the instructor of an absence prior to the exam will result in a grade of 0 for that exam. Any exam taken late for any reason will have 5 points deducted. Please see Nursing Student Handbook for Procedure.

The instructor reserves the right to administer a different test to those students who do not take the test as scheduled.

2. Laboratory Skills = 20 %

The lab skills portion of this course is separated into two areas:

- 1) Skills – 10%
- 2) Quizzes/Assignments/Theory – 10%

A score will be earned based on the points possible in the actual skills check-off and the written portions of the laboratory.

There are deadlines for each of the check-offs subjects. Students who have not completed the specified skills by the deadline will receive a score of 0 on each of the skills. However, all skills must be satisfactorily completed in order to receive credit for the course, prior to the week of the final exam. Students who have not attempted every skill prior to final exam week will receive no credit for lab and an F in the course. Students who have attempted every skill but have not passed every skill prior to the final exam week will receive an I in the lab and an I for the course.

3. Course Grade

Course grade will be determined by:

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| Unit Exam #1 | 20% |
| Unit Exam #2 | 20% |
| Unit Exam #3 | 20% |
| Lab Component: | 20% |
| Comprehensive Final Exam | 20% |
| Total Course Grade | 100% |

Grading Scale:

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| 90-100 = | A |
| 80-89 = | B |
| 77-79 = | C |
| 70-76 = | D |
| 0-69 = | F |

4. Scores on each examination or clinical evaluation will be rounded and recorded to the closest whole number.

5. Final Course grades will NOT be rounded to the closest whole number. A 78.00% is needed to pass the course with no rounding (i.e., 77.7 would be recorded as 77.7 and not rounded up to 78; 89.9 stays 89.9 and would not be rounded up to 90).
6. Rounding rule: All grades except for Final Course Grade
 - a. To determine scores to record, use the value in the tenths column only ; do not carry out any further. (82.459 would be recorded as 82 because only the tenths column is looked at).
 - b. 0.5 and above will be rounded to the next higher whole number (i.e., 84.6 becomes 85).
 - c. 0.4 and below will be rounded by dropping the tenths and leaving the whole number (i.e., 84.3 becomes 84).

D. Pre-assessment and Remediation

A basic math exam must be taken as scheduled on the calendar. Students who make less than 90% on this exam are referred for remediation to PASS/RAP program. Those students who achieve less than 90% on the basic math test, or achieve less than 78 % on a unit exam are referred for remediation or RETAIN sessions. RETAIN sessions are offered by faculty, and the Retention Action Program. Students may also utilize computer assisted instruction located in the computer lab.

Refer to the "Guidelines for Remediation" Procedure in the Nursing Student Handbook

VI. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VII. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.

VIII. Title IX and Sex Discrimination

Title 9 (20 U.S.C. 1681 & 34 C.F.R. Part 106) states the following "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving Federal financial assistance." The Violence Against Women Act (VAWA) prohibits stalking, date violence, sexual violence, and domestic violence for all students, employees and visitors (male and female). If you have any concerns related to discrimination, harassment, or assault (of any type) you can contact the Assistant to the Vice President for Student and Enrollment Services at 915-831-2655. Employees can call the Manager of Employee Relations at 915-831-6458. Reports of sexual assault/violence may also be reported to EPCC Police at 915-831-2200.