

**El Paso Community College  
Syllabus  
Part II  
Official Course Description**

<b>SUBJECT AREA TITLE</b>	<u>Nursing</u>
<b>COURSE RUBRIC AND NUMBER</b>	<u>RNSG 1208</u>
<b>COURSE TITLE</b>	<u>Dosage Calculations for Nursing</u>
<b>COURSE HOURS</b>	<u>2                    1                    :</u> <b>Credits                    Lec                    Lab</b>

**I. Catalog Description**

Studies dosage calculations which include read, interpret, and solve dosage calculation problems; studies various measurement systems. Admission to the program is required to enroll in this course. Students must successfully complete this course to take/stay enrolled in RNSG 1260 and RNSG 1413. A grade of "C" or better is required in this course to take the next course. RNSG 1208 is a prerequisite to RNSG 1260 and RNSG 1413. **Prerequisites: MATH 0305 with a "C" or better or NCBM 0105 with a "CR" or better or by placement exam; and BIOL 2401 and BIOL 2402 and MATH 1314 or MATH 1324 or MATH 1342 and RNSG 1301. (1:4). Lab fee.**

**II. Course Objectives**

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

- A. Unit I: Provider of Patient-Centered Care
  - 1. Perform mathematical conversions and calculations to determine drug dosages for oral, topical, parenteral, and intravenous medications to include nutrition and fluid requirements. (SLO #5)
  - 2. Apply the five steps of the nursing process in the administration of medication in a laboratory setting. (SLO #3)
  - 3. Discuss effective communication techniques applicable to medication administration, including documentation. (SLO #3)
  - 4. Identify the nurse's role in the teaching and evaluation of learning related to the process of medication administration. (SLO #2)
  - 5. Discuss how the concept of caring relates to medication administration. (SLO #3)
  - 6. Discuss how evidence based practice is utilized to determine best practices for administering medication (SLO #3)
  - 7. Discuss personal and professional values as they apply to the administration of medications. (SLO #4)

- B. Unit II: Member of the Health Care Team
  - 1. Describe how the nurse administering medication is part of the interdisciplinary health care team. (SLO #6)
  - 2. Explain how the nurse administering medication can serve as an advocate for the patient. (SLO #3)
  - 3. Explain under what circumstances medication administration can be delegated (SLO #4)
  - 4. Understand how the use of medications enhances a patient’s health promotion, disease prevention, maintenance and restoration health (SLO #1)
  - 5. Understand how technology and informatics relate to medication administration (SLO #5)
- C. Unit III: Member of the Profession
  - 1. Describe the legal/ethical aspects of medication administration, including patient’s rights. (SLO #4)
  - 2. Describe why maintaining competence in medication knowledge and administration is required for a professional nurse (SLO #4)
- D. Unit IV: Patient Safety Advocate
  - 1. Describe safety measures related to medication administration (SLO #5).
  - 2. Describe measures that promote a safe patient care environment when administering medication. (SLO #5)
- E. Unit V: Lab Skills
  - 1. Demonstrate clinical skills for the administration of medication in a laboratory setting, adhering to specified criteria to include oral, topical, enteral, and parenteral medications.

**III. STUDENT LEARNING OUTCOMES: ASSOCIATE DEGREE NURSING**

Nursing Program Student Learning Outcomes (SLO’s) assess the knowledge, skill/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 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	
1.	Integrate teaching-learning principles by developing, presenting and modifying teaching plans to meet the need of patients and their families.
2.	Utilize 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 provided to patients and

	their families 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

Final - 6-7-12

Revised: 09-12

Reviewed: 08-14

Reviewed: 12-15

Revised: 05-18

**IV. THECB Learning Outcomes (WECM)**

1. Solve dosage calculation problems.
2. Convert between various measurement systems.

**V. Evaluation**

A. Proficiency Exam

Any student wishing to take a Proficiency Exam for a nursing course should speak to the ADN Program Coordinator and/or to the Nursing Counselor. (See College Proficiency Exam Procedure).

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. Course Grading Criteria

The grade in RNSG 1208 will be computed as follows:

Drug Dosage Exams	.....	60 %
Laboratory Quizzes	.....	10 %
Laboratory Skills	.....	10 %
Final Exam	.....	20 %

D. Remediation

Students who do not pass an exam with a grade of 78 or better will receive a counseling form for Remediation. It is highly recommended that the student follow the instructions on the counseling form. It is also highly recommended that the student attend all retain sessions for the course.

E. Grading Scale

90 – 100 = A

80 – 89 = B

78 – 79 = C

70 – 77 = D

0 – 69 = F

This course is required for completion of studies leading to the Associate Degree in Nursing. A grade of 78% or above is needed to pass this course. Students not obtaining 78% (C) or above in this course must retake the course prior to progression to the next course.

G. Attendance

See procedure on Course Pursuit in the Nursing Student Handbook. Attendance to class lectures is highly recommended.

**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.