Syllabus for
VNSG1227
Essentials of Medication Administration

Placement: First Semester

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. Prerequisite or Co requisite: VNSG 1260.

Contact Hours/Credit Value:
- Lecture – Calculations (Barbara Brush, RN) — 16 hours
- Lab – Preparation and Administration of Drugs (Becky Krajewski, RN) — 64 hours
  2 credits

Pre-requisites: None

Instructors: Becky Krajewski, RN
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Course Rationale:
To function successfully in the health profession a nurse must understand how to successfully prepare and administer medications after calculating or checking the proper dosage.

Education Materials:
Burton and Ludwig. *Fundamentals of Nursing Care Concepts, Connections and Skills*, FA Davis

Evaluation (Lab/Lecture grades will be averaged):
Lab:
- Exams ................................................................. 75%
- Final Exam ........................................................... 25%
(Final lab average must be 75% or higher)

Lecture:
- Exams ................................................................. 75%
- Final Exam ........................................................... 25%
(Final lecture average must be 75% or higher)

Classroom Policies:

1. Attendance—Regular attendance is required. Lack of regular attendance may result in student being dropped from the course (see vocational nursing Student Handbook or Kilgore College Student Handbook).
2. **Academic Honesty Policy**—Cheating or any form of scholastic dishonesty will not be tolerated. The instructor will determine if scholastic dishonesty has occurred. If the student does not accept the decision of the instructor, the student may have the case reviewed by the appropriate program director/department chair, dean, and Vice President of Instruction. See Student Grievance Procedure above for specific appeal instructions.

3. **Drop dates**—the student is responsible for withdrawing themselves from a class before 75% of class is completed. Failure to do so before the “drop date” will result in an “F” in the class. If student drops in the first 12 weeks the result is a “W” (withdrawn), 13th and 16th week results in an “F”. Students who have financial aid are cautioned that dropping a class may interfere with future financial aid.

4. **Make-up Exam Procedure**—a student may make up a maximum of one exam per course, and only for a missed exam. The instructor will schedule a make-up test date and time (usually at the end of the semester or following the final exam). The maximum grade a student may achieve on a make-up exam is “75”.

5. **Exam Grades or Questions**—students who question the accuracy of a grade or a test question must contact their instructor within 3 (three) working days of receiving their grade (or review of exam by instructor) to resolve the problem. If after discussing their questions or concerns with the instructor, they do not accept the decision of that instructor, they may have their case reviewed by the program director. Students will have 3 (three) working days to follow the Student Grievance procedure. Students will not be allowed to go back and review tests or scantrons for accuracy after the grievance time frame.

6. Students are not allowed to enter classes late or leave without permission of instructor due to disruption to class.

7. Students sleeping in class will be asked to leave and time will be deducted as absence.

8. Students are not allowed to eat during class. Only drinks with lids on the containers, are allowed.

9. No cell phones, books or notes allowed during testing. Non-compliant students will receive a “0” on their exam or may be dropped for cheating (see #2).

**Disclaimer:**

The instructor reserves the right to make modifications in content and schedule exam dates as necessary to promote the best education possible. It is the responsibility of the student to obtain changes made during their absence from class.

**Student Learning Outcomes:**

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

- Demonstrate accurate dosage calculations using the dimensional analysis method in class and in the computer lab  
  \((1,2,3,4,5,7,8)\) [PSA(CJ)-B3,8]

- Identify and demonstrate the principles of safety in medication administration  
  \((1,2,3,4,5,7)\) [PPCC(K)-H3] [PSA(K)-B4 (CJ)-B2,3,4,7,8]

- Identify and demonstrate the elements of accurate documentation of medication administration  
  \((1,2,4,5,7)\) [PPCC(K)-C2, (CJ)-H5,t(K)GJ] [PSA(CJ)-B5]

- Demonstrate the preparation and administration of P.O., I.M., and S.Q. medications  
  \((1,2,3,4,5,7)\) [PSA(K)-A4]

- Discuss work setting policies and procedures of professional boundaries related to medication administration  
  \((1,2,4,5,6,7)\) [MP(KCJ)-A1,3]
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Implement medication administration within legal, ethical, and regulatory parameters \((1,2,4,5,6,7)\)

\([\text{PPCC(K)}-E3,6] [\text{PPCC(CJ)}-E4,6,9] [\text{PCA(K)}-E1] [\text{MHCT(K)}-B1, (\text{CJ})-B1,5,C4,6,7]\)

Communicate and collaborate in a timely manner to members of the health care team, patient responses to medication administration \((1,2,3,4,5,7)\)

\([\text{MHCT(CJ)}-D1,2;H3] [\text{PPCC(CJ)}-E4,F5]\)

[ ] Brackets indicate DEC Competencies utilized
Parenthesis denotes SCANS competencies. SCANS is the *Secretary’s Commission on Achieving Necessary Skills*. SCANS competencies are included in every course in an attempt to ensure that the student has the necessary skills to succeed on a job.

1 = Reading
2 = Writing
3 = Arithmetic or Mathematics
4 = Speaking and Listening
5 = Thinking Skills
6 = Personal Qualities
7 = Workplace Competencies
8 = Basic Use of Computers

ADA Statement

Kilgore College is committed to making reasonable accommodations to assist individuals with disabilities in reaching their academic potential. If you choose to request accommodations for a documented disability which may impact your performance, attendance, or grades in this course, you must first register with the Office of Disability Services. Please note that classroom accommodations cannot be provided prior to your instructor’s receipt of an accommodation letter from the Office of Disability Services. For more information about accommodations, please contact the Disability Services office on the second floor of the Devall Student Center: (903) 983-8206.
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**Schedule of Classes:** Calculation Section

First Quarter of Semester

- Basic Math Refresher
- Metric System
- Addition Drug Measures
  Exam #1

Second Quarter of Semester

- Dimensional Analysis
  Exam #2

Third Quarter of Semester

- Reconstitution—Calculations
  Exam #3
  - Calculations basic on Body Weight
  Exam #4

Fourth Quarter of Semester

- IV Calculations
  Exam #5

Final Exam
Schedule of classes - Medication Administration Lab

First quarter of semester

- Oral medications
- Topical and Inhalant medications
- Oral medication labels and dosage calculations
- Safe medication administration

Second quarter of semester

Exam #1
- Parenteral medications
- Hypodermic syringe measurements
- Parenteral medication labels and dosage calculations

Third quarter of semester

- Reconstitution of powered drugs

Exam #2
- Diabetes Mellitus

Fourth quarter of semester

- Measuring Insulin dosage

Exam 3
- Exam 4 - calculations exam
- Intravenous medications
- Final comprehensive exam