

JEFFERSON COLLEGE

COURSE SYLLABUS

PNE 144

INTRODUCTION TO NURSING PHARMACOLOGY

3 Credit Hours
(2.5 Classroom Hours; 0.5 Lab Hours)

Prepared by:
April Norton-Gunther M.S.N., R.N.
September, 2014

Last Revised by:
Ashley Fry B.S.N., R.N.
April Norton-Gunther, M.S.N., R.N.

Curriculum Committee Approval Date: November, 2018

Minor Revision by:
Barbara Haynes, M.S.N., R.N.
March, 2019

Minor Revision by:
Kathleen Harris, M.S.N. Ed., R.N.
March 13, 2019

Amy McDaniel, M.S.N. Ed., R.N. Director of Nursing
Kenneth Wilson, Associate Dean - School of Science and Health

Dr. Chris DeGeare, Dean of Instruction
PNE 144 INTRODUCTION TO NURSING PHARMACOLOGY

I. CATALOGUE DESCRIPTION

- A. Prerequisites: Admission to Bi-Level Nursing program
- B. 2.5 Credit Hours; 0.5 Lab Hours
- C. Introduction to Nursing Pharmacology provides the basic principles of pharmacology including mathematics, dosage calculation, rules, safety, and regulations related to medication administration and intravenous therapy. The course provides student participation and practice of enteral, parenteral, intravenous medication administration, and intravenous cannulation in the laboratory setting. (F, Su)
- D. Curricular alignment: Fulfills Practical Nursing Certificate requirement.

II. EXPECTED LEARNING OUTCOME/CORRESPONDING ASSESSMENT MEASURES

LO.1 Calculate drug dosages and identify whether or not calculated drug dosage is reasonable. (TO.1, TO.2, I.3, I.4, I.6)	Quizzes, Exams, Assignments, and Lab Demonstration
LO.2 Generate calculations related to the administration of intravenous therapy including drops per minute and ml per hour. (TO.1, TO.2, I.2, I.3, I.4, I.6)	Quizzes, Exams, Assignments, and Lab Demonstration
LO.3 Demonstrate proper technique of intravenous cannulation, venipuncture, and administration of subcutaneous, intramuscular, and intradermal injections. (TO.1, TO.2, TO.6, I.2, I.3, I.6)	Quizzes, Exams, Assignments, and Lab Demonstration
LO.4 Apply the rights of medication administration when preparing, documenting, and administering medication. (TO.1, TO.2, I.2, I.3, I.4, I.6)	Quizzes, Exams, Assignments, and Lab Demonstration
LO.5 Identify legal, ethical, and moral principles related to medication administration and intravenous therapy. (TO.1, TO.2, TO.8, I.2, I.3, I.4, I.6)	Quizzes, Exams, Assignments, and Lab Demonstration

LO.6 Discuss the role of the practical nurse in reducing the risk potential for medication errors, and assisting with the management of health alterations related to administering various medications. (TO.1, TO.2, TO.3, I.2, I.3, I.4, I.6)	Quizzes, Exams, Assignments, and Lab Demonstration
--	--

III. OUTLINE OF TOPICS

- A. Systems Measurement
- B. Conversions
- C. Equipment Used in Dosage Measurement
- D. Interpreting Drug Orders and Labels
- E. Oral/Parenteral Dosages of Medications
- F. Reconstitution of Solutions
- G. Medication Administration
- H. Pediatric Dosages
- I. Intravenous Calculations
- J. Intravenous Therapy

IV. METHODS OF INSTRUCTION

- A. Lecture
- B. Reading/Discussion Assignments
- C. Audio Visual Aids
- D. Demonstrations

V. REQUIRED TEXTBOOKS:

Buchholz, S. (2016). *Henkes med-math: Dosage calculation, preparation & administration* (8th ed.). Philadelphia: Wolters Kluwer Health.

Timby. *Fundamental Nursing Skills and Concepts*. (Workbook included) (Current Edition). Lippincott.

VI. REQUIRED MATERIALS: (Student)

- A. Paper
- B. Pen/Pencil
- C. Textbook

VII. SUPPLEMENTAL REFERENCES

None

VIII. METHOD OF EVALUATION

Unit exams/quizzes, which can consist of course material and prior knowledge, will be administered throughout the course.

- | | | |
|----|--------------------------|-----------|
| A. | Exams/Quizzes | 80% |
| B. | Comprehensive Final Exam | 10% |
| C. | Assignments | 10% |
| D. | Lab Demonstration | Pass/Fail |

Students must complete all basic nursing skills, adhere to expected student expectations, complete related clinical paperwork, and receive an overall satisfactory (S) grade for the return demonstration. Satisfactory is determined by the assigned instructor based on best practice principles and according to the following guidelines:

Pass/Fail System

Satisfactory (S)

Student performs outcome in the expected manner which includes fulfilling the requirements of safe procedures, techniques, and/or behaviors.

Unsatisfactory (U)

Student fails to meet required outcomes within specified time; makes errors that are not recognized, corrected, and/or reported; omits nursing

skills required for the assigned patient(s); or fails to demonstrate preparedness to perform clinical skills.

Needs Improvement (NI)

Student performs outcome in such a manner that the usual expectation is not met in the non-crucial aspects of safe procedures, techniques, and/or behaviors. EXAMPLE: A portion of the skill is omitted; the skill is performed in an awkward, disorganized, or slow manner, or more than the usual supervision guidance is needed.

Not Observed (N/O)

It is recognized that the laboratory setting is an arena for practice, and it is not expected that a student displays expert performance initially but rather progresses in proficiency throughout the experience.

A student may receive an unsatisfactory performance for any one laboratory demonstration. If an unsatisfactory (U) is received for the demonstration, the student must meet with the instructor prior to the next scheduled laboratory day to discuss performance and develop a plan of improvement leading to student success.

Failure to successfully complete any basic skill, adhere to expected student expectations, complete related paperwork, or to receive an overall satisfactory (S) grade for the laboratory demonstration will result in failure (F) for the course and may prevent the student from advancing in the Bi-level Nursing Program.

To successfully complete the course, the student must achieve an 80% on both the intravenous exam and the intravenous math exam (if a student fails to achieve an 80%, a second attempt is permitted). Only the first attempt grade will apply to overall class grade).

IX. ADA AA STATEMENT

Any student requiring special accommodations should inform the instructor and the Coordinator of Disability Support Services (in the Library; phone 636-481-3169).

X. ACADEMIC HONESTY

All students are responsible for complying with campus policies as stated in the Student Handbook (see College website, <http://www.jeffco.edu>).

XI. ATTENDANCE STATEMENT

Regular and punctual attendance is expected of all students. Any one of these four options may result in the student being removed from the class and an administrative withdrawal being processed: (1) Student fails to begin class; (2) Student ceases

participation for at least two consecutive weeks; (3) Student misses 15 percent or more of the coursework; and/or (4) Student misses 15 percent or more of the course as defined by the instructor. Students earn their financial aid by regularly attending and actively participating in their coursework. If a student does not actively participate, he/she may have to return financial aid funds. Consult the College Catalog or a Student Financial Services representative for more details.

XII. OUTSIDE OF CLASS ACADEMICALLY-RELATED ACTIVITIES

The U.S. Department of Education mandates that students be made aware of expectations regarding coursework to be completed outside the classroom. Students are expected to spend substantial time outside of class meetings engaging in academically-related activities such as reading, studying, and completing assignments. Specifically, time spent on academically-related activities outside of class combined with time spent in class meetings is expected to be a minimum of 37.5 hours over the duration of the term for each credit hour.