

**JEFFERSON COLLEGE**

**COURSE SYLLABUS**

**PNE 163**

**PHARMACOLOGY I**

3 Credit Hours

Prepared By:

Karen Amsden, M.S.H.A., R.N.

Leah Miley, M.S.N., R.N.

Victoria Brown, M.S.N., R.N.

Last Revised by:

April Norton-Gunther M.S.N., R.N., C.N.E.

Ashley Fry B.S.N., R.N.

Curriculum Committee Approval Date:

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 163 PHARMACOLOGY I

### I. CATALOG DESCRIPTION

- A. Prerequisites: PNE144 Introduction to Nursing Pharmacology with a grade of “B” or better and reading proficiency
- B. 3 Credit Hours
- C. Pharmacology I is the first of two (2) courses presenting basic principles of pharmacodynamics in association with the administration of commonly prescribed drugs. Major drug classifications are introduced as well as usual and idiosyncratic effects and precautions with administration. Mathematics of drugs and solutions are emphasized. Pharmacologic topics covered include foundations in pharmacology, drugs to treat infections, pain management, multisystem disorders, respiratory disorders, cardiovascular disorders, cancer/hematopoietic disorders, lymphatic disorders, and immune disorders. (F)
- D. Fulfills Practical Nursing certificate requirement.

### II. EXPECTED LEARNING OUTCOMES/CORRESPONDING ASSESSMENT MEASURES

Discuss client’s preferences, values, and cultural differences related to medication administration.	Exams Quizzes Case Studies Assignments
Review and define the role of the licensed practical nurse related to all aspects of pharmacology including but not limited to adverse reactions, contraindications, interactions, therapeutic effect, and client teaching.	Exams Quizzes Case Studies Assignments
Compare and contrast strategies for medication administration and client education that promotes a culture of client safety.	Exams Quizzes Case Studies Assignments
Decipher knowledge of pharmacology, health promotion, psychosocial, and physiological information to promote clinical reasoning and critical decision making.	Exams Quizzes Case Studies Assignments
Explain therapeutic communication techniques related to client education of all pharmacological therapies.	Exams Quizzes Case Studies Assignments

Identify a client centered care plan utilizing evidence-based practice while incorporating pharmacological therapies.	Exams Quizzes Case Studies Assignments
---	---

### III. OUTLINE OF TOPICS

- A. Foundations of Clinical Pharmacology
- B. Drugs Used to Fight Infection
- C. Drugs Used to Manage Pain
- D. Drugs Affecting the Cardiovascular System
- E. Drugs Used to treat Oncology, Hematopoietic, and Immune System Disorders

### IV. METHODS OF INSTRUCTION

- A. Lecture/PowerPoint
- B. Textbook
- C. Study Guides
- D. Audiovisuals
- E. Printed Handout Material
- F. In-Class Activities

### V. REQUIRED TEXTBOOKS

Buchholz, S. *Henkes med-math: Dosage calculation, preparation & administration* (Current Edition). Philadelphia: Wolters Kluwer Health.

Ford, S. & Roach, S. *Roach's Introductory Clinical Pharmacology*. (Current Edition). Philadelphia: Lippincott, Williams & Wilkins.

Ford, S. *Prep U for Roach's Introductory Clinical Pharmacology*. (Current Edition). Philadelphia: Lippincott, Williams & Wilkins

### VI. REQUIRED MATERIALS:

- A. Pens

B. Note pads

C. Access to computing device and internet (available on campus)

VII. SUPPLEMENTAL REFERENCES

Lippincott. *Nursing Drug Handbook*. (Current Edition). Philadelphia: Lippincott, Williams & Wilkins.

Pagana, K. & Pagana, T. *Mosby's Manual of Diagnostic and Laboratory Tests*. (Current Edition). St. Louis: Mosby, Inc.

VIII. METHOD OF EVALUATION

A.	Unit Exams	80%
B.	Unit Preparation	5%
C.	Comprehensive Final Exam	10%
D.	Standardized Exams	5%

IX. ADA AA STATEMENT

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

X. ACADEMIC HONESTY STATEMENT

All students are responsible for complying with campus and nursing program policies as stated in the Nursing Program and College Student Handbooks. (see College Website, <http://vega.jeffco.edu/bdye/studenthandbook.pdf>.)

XI. CLASS ATTENDANCE POLICY

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.