

**JEFFERSON COLLEGE**

**COURSE SYLLABUS**

**PNE 164**

**PHARMACOLOGY II**

3 Credit Hours

Prepared by: Victoria Brown, M.S.N., R.N.  
Leah Miley, M.S.N., R.N.  
Karen Amsden, M.S.H.A., 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: December 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 164 PHARMACOLOGY II

### I. CATALOG DESCRIPTION

- A. Prerequisites: PNE163 Pharmacology I with a grade of “B” or better and reading proficiency
- B. 3 Credit Hours
- C. Pharmacology II is the second of two (2) courses presenting basic principles of pharmacodynamics while the student learns principles of pharmacodynamics utilized when administering commonly prescribed drugs in the clinical setting. Major drug classifications are introduced as well as usual and idiosyncratic effects and precautions with administration. Pharmacologic topics covered include drugs affecting the integumentary, musculoskeletal, renal, neurological, sensory, gastrointestinal, endocrine (including diabetes), and male/female reproductive systems. (S)
- D. Fulfills Practical Nursing certificate requirement.

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

Integrate client cultural beliefs, preferences, and values related to medication administration.	Exams Quizzes Case Studies Assignments
Examine 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
Present strategies that create a culture of client safety as provided by Quality and Safety Education for Nurses competencies specific to medication administration.	Exams Quizzes Case Studies Assignments
Apply principles of pharmacology related to health promotion, psychosocial, and physiological knowledge promoting clinical reasoning and clinical decision making.	Exams Quizzes Case Studies Assignments
Implement therapeutic communication techniques related to client education of all pharmacological therapies.	Exams Quizzes Case Studies Assignments

Utilize the general principles of pharmacology and evidence-based practice when preparing a client-centered care plan.	Exams Quizzes Case Studies Assignments
--	---

### III. OUTLINE OF TOPICS

- A. Drugs Affecting the Musculoskeletal System
- B. Drugs Affecting the Renal System
- C. Drugs Affecting the Neurological System
- D. Drugs Affecting the Gastrointestinal System
- E. Drugs Used to treat Respiratory Disorders
- F. Drugs Affecting the Endocrine System
- G. Drugs Affecting the Male/Female Reproductive System

### IV. METHODS OF INSTRUCTION

- A. Lecture/PowerPoint
- B. Reading Assignments
- C. Study Guides
- D. Audio Visual Aids
- 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 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 (TC101; phone 636-481-3169).

X. ACADEMIC HONESTY STATEMENT

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.