**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

1. **GENERAL COURSE INFORMATION**

Course Number: PHRM 1001

Course Title: Pharmacology

Credit Hours: 3

Prerequisites: None

Division/Discipline: Workforce Training and Community Education/Pharmacy Tech

Course Description: This course provides practical students with information applicable to pharmacology including pharmaceutical nomenclature and classification, mechanisms of drug actions, interactions, indications and contra-indications, side effects, and methods of administering therapeutic agents primarily in the nervous, endocrine, skeletal, muscular, cardiovascular, respiratory and gastrointestinal systems. The course of study also includes methods of administering therapeutic agents with an emphasis on the renal, reproductive, vascular, sensory, dermatological, immunological and hematological systems. The benefits and disadvantages of over-the-counter vs. non-prescriptive medication will be addressed.

1. **INSTRUCTOR INFORMATION**
2. **COLLEGE POLICIES**

Students and faculty of Barton Community College constitute a special community engaged in the process of education. The College assumes that its students and faculty will demonstrate a code of personal honor that is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

Plagiarism on any academic endeavors at Barton Community College will not be tolerated. The student is responsible for learning the rules of, and avoiding instances of, intentional or unintentional plagiarism. Information about academic integrity is located in the Student Handbook.

The College reserves the right to suspend a student for conduct that is determined to be detrimental to the College educational endeavors as outlined in the College Catalog, Student Handbook, and College Policy & Procedure Manual. (Most up-to-date documents are available on the College webpage.)

Any student seeking an accommodation under the provisions of the Americans with Disability Act (ADA) is to notify Student Support Services via email at [disabilityservices@bartonccc.edu](mailto:disabilityservices@bartonccc.edu).

1. **COURSE AS VIEWED IN THE TOTAL CURRICULUM**

This course provides a study of drugs including their origin, nature, properties and effects upon living organisms.  The information presented will reference and explain the relationship to a pharmacy technician career.

This course is one in a series of vocational courses designed to prepare students for entry level positions. Students planning to transfer credit for a baccalaureate degree will be granted transfer credit only as determined by the four-year institution. The transferability of all college courses will vary among institutions, and perhaps even among departments, colleges, or programs within an institution. Institutional requirements may also change without prior notification. Students are responsible to obtain relevant information from intended transfer institutions to insure that the courses the student enrolls in are the most appropriate set of courses for the transfer program.

1. **ASSESSMENT OF STUDENT LEARNING**

Barton Community College is committed to the assessment of student learning and to quality education. Assessment activities provide a means to develop an understanding of how students learn, what they know, and what they can do with their knowledge. Results from these various activities guide Barton, as a learning college, in finding ways to improve student learning.

Course Outcomes, Competencies, and Supplemental Competencies:

A. Evaluate aspects of pharmacology

1. Describe the evolution of medicinal drugs

2. List the basic concepts of pharmacology

3. Indicate the basics of dispensing pharmacologic agents

B. Define anti-infectives

1. Categorize antibiotics

2. List therapy for fungi and viruses

C. Define narcotic pain relievers, neurologicals and psychiatric drugs

1. Categorize anesthetics, analgesics and narcotics

2. Categorize antidepresseants, antipsychotics, antianxiety agents and alcoholism

3. Categorize anticolvulsants and drugs to treat other CNS disorders

D. Define respiratory, GI, renal and cardiac drugs

1. Categorize respiratory drugs

2. Categorize gastrointestinal drugs and related diseases

3. Categorize urinary system drugs

4. Categorize cardiovascular drugs

E. Define muscle relaxants, non-narcotic analgesics, hormones and topicals

1. Categorize muscle relaxants, non-narcotic analgesics and anti-inflammatories

2. Categorize hormones

3. Categorize topicals, ophthalmics and otics

F. Define chemotherapy and nutritional and alternative substances

1. Categorize recombinant drugs and chemotheraphy

2. Categorize vitamins, nutritional and alternative supplements, antidotes and

Emergencies

**VI. INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS**

**VII. TEXTBOOKS AND OTHER REQUIRED MATERIALS**

**VIII. REFERENCES**

**IX. METHODS OF INSTRUCTION AND EVALUATION**

**X. ATTENDANCE REQUIREMENTS**

**XI. COURSE OUTLINE**

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