**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

# **GENERAL COURSE INFORMATION**

Course Number: MDAS 1680

Course Title: Basic Pharmacology

Credit Hours: 3

Prerequisite: None

Division/Discipline: Workforce Training and Community Education/Medical Assistant, Medical Coding, Medical Transcriptionist

Course Description: This course is designed to teach the physiological effects and clinical use of medications that may be administered in the prevention/management of health care conditions. This includes a general knowledge of use, action, dosage, side effects, contraindications of medications and patient education suggestions. Safe and legal practices are stressed throughout the course

# **INSTRUCTOR INFORMATION**

# **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.

# **COURSE AS VIEWED IN THE TOTAL CURRICULUM**

This is a fundamental course in which the student learns the basics of pharmacology. This course fulfills a requirement for the medical assistant degree and medical coding and transcription certificate completion.

# **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:

1. Introduce the student to pharmacology
2. List and describe the categories of information in a drug package insert.
3. List the guidelines for writing metric and apothecary notations
4. List and describe the five schedules for controlled drugs
5. List and explain the parts of a prescription
6. Describe the implications of Black Box warning.
7. Differentiate toxic, idiosyncratic allergic side effects verses intolerance.
8. Discuss various methods for administering medication with corresponding safety considerations
9. State the common routes for administering medication
10. List some basic guidelines for preparing and administering medications.
11. List some medications commonly administered through the intramuscular and subcutaneous, topical and intrathecal routes.
12. List the guidelines for direct skin allergy testing.
13. Identify effects of medication on the body systems
14. Classify drugs according to preparation and action
15. Describe the effects of medications on body systems
16. State the purpose of the following types of allergy tests: patch testing, skin-prick testing, intradermal skin testing and radioallergosorbent testing.
17. Discuss factors that influence drug action.
18. Describe the implications of use of alternative medications, herbal supplements and off label usage.
19. Develop safe and legally sound practices in the documentation of medication procedures
20. Calculate adult and child dosages
21. Restate current trends in ensuring patient safety and the appropriate action to take in the event of a medication error
22. Discuss medication reconciliation and allergy identification
23. Define an allergy and name common allergens
24. Explain what occurs during an allergic reaction
25. Identify approved/unapproved abbreviations
26. **INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS**

# **TEXTBOOKS AND OTHER REQUIRED MATERIALS**

# **REFERENCES**

# **METHODS OF INSTRUCTION AND EVALUATION**

# **ATTENDANCE REQUIREMENTS**

1. **COURSE OUTLINE**