**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

# I. GENERAL COURSE INFORMATION

Course Number: MENT 1001

Course Title: Pharmacology for Mental Health Technicians

Credit Hours: 3

Prerequisites: Admission to MHT program

Division/Discipline: WTCE

Course Description: This course introduces the principles of pharmacology, including drug classifications and their effects on the body. This course introduces the principles of pharmacology, drug classifications and the effects of selected medications on the human body within the scope of practice of the Mental Health Technician.

**II. INSTRUCTOR INFORMATION**

# III. 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).

# IV. COURSE AS VIEWED IN THE TOTAL CURRICULUM

Pharmacology for the MHT is designed to fulfill the curriculum approved by the Kansas State Board of Nursing for MHT certificate completion. Credits are transferable for additional education according to individual college and university guidelines.

# V. 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. The competencies will be assessed through written, oral, practicum or presentation.

A. Identify basic pharmacological terms, abbreviations, and symbols related to

medication management.

1. Describe pharmacological terms used in medication administration

2. Describe abbreviations used in medication administration

3. Describe symbols used in medication administration

4. Describe how to document medication administration

B. Apply basic pharmacology principles to medication management.

1. Describe federal laws and regulations governing medication administration

2. Describe the process of Pharmacokinetics

3. Utilize resources to identify pertinent information related to all drugs

4. Describe the process of pharmacodynamics

C. Apply biological, psychological, spiritual, & cultural needs related to medication administration.

1. Describe spiritual & cultural guidelines when selecting actions related to pharmacotherapy

2. Describe drug administration guidelines

3. Describe methods to eliminate medication errors

4. Describe responsibilities associated with controlled substances

5. Describe ethical responsibilities relates to medication errors

D. Demonstrate proficiency in medication administration.

1. Describe how to calculate weight

2. Describe how to convert

3. Describe how to work with decimals

4. Describe the different types of medication preparations

5. Describe the 6 rights to medication administration

6. Describe the parts of a prescription.

7. Demonstrate medication administration through injection.

E. Apply knowledge of the administration of respiratory medications.

1. Describe classifications and actions of respiratory medications

2. Describe when, how and to whom respiratory medications may be administered.

3. Describe side effects and special considerations for respiratory medications

4. Describe implications of using respiratory medications

F. Apply knowledge of the administration of cardiovascular medications.

1. Describe classifications and actions of cardiovascular medications.

2. Describe when, how and to whom drugs may be administered for cardiovascular medications.

3. Describe side effects and special considerations for cardiovascular medications.

4. Describe considerations and implications for cardiovascular medications.

G. Apply knowledge of the administration of hematological & lymphatic system medications.

1. Describe classifications and actions of hematological & lymphatic system medications.

2. Describe when, how and to whom drugs may be administered

3. Describe side effects and special considerations

4. Describe considerations and implications

H. Apply knowledge of the administration of endocrine system medications.

1. Describe classifications and actions

2. Describe when, how and to whom drugs may be administered

3. Describe side effects and special considerations

4. Describe considerations and implications

I. Apply knowledge of the administration of integumentary system medications.

1. Describe classifications and actions

2. Describe when, how and to whom drugs may be administered

3. Describe side effects and special considerations

4. Describe considerations and implication

J. Apply knowledge of the administration of sensory system medications.

1. Describe classifications and actions

2. Describe when, how and to whom drugs may be administered

3. Describe side effects and special considerations

4. Describe considerations and implications

K. Apply knowledge of the administration of musculoskeletal system medications.

1. Describe classifications and actions

2. Describe when, how and to whom drugs may be administered

3. Describe side effects and special considerations

4. Describe considerations and implications

L. Apply knowledge of the administration of gastrointestinal system medications.

1. Describe classifications and actions

2. Describe when, how and to whom drugs may be administered

3. Describe side effects and special considerations

4. Describe considerations and implications

M. Apply knowledge of the administration of renal system medications.

1. Describe classifications and actions

2. Describe when, how and to whom drugs may be administered

3. Describe side effects and special considerations

4. Describe considerations and implications

N. Apply knowledge of the administration of immune system medications.

1. Describe classifications and actions

2. Describe when, how and to whom drugs may be administered

3. Describe side effects and special considerations

4. Describe considerations and implications

O. Apply knowledge of the administration of neurological system medications.

1. Describe classifications and actions

2. Describe when, how and to whom drugs may be administered

3. Describe side effects and special considerations

4. Describe considerations and implications

P. Apply knowledge of the administration of mental health medications

1. Describe classifications and actions

2. Describe when, how and to whom drugs may be administered

3. Describe side effects and special considerations

4. Describe considerations and implications

5. Outline the physiological and therapeutic effects of common psychotropic medications.

6. Outline frequently occurring side effects of common psychotropic medications.

7. Describe toxicity and overdose with common psychotropic medications.

8. Describe the use of psychotropic medications in special populations.

Q. Apply knowledge of the administration of vitamins, herbals, & OTC medications.

1. Describe classifications and actions

2. Describe when, how and to whom drugs may be administered

3. Describe side effects and special considerations

4. Describe considerations and implications

# 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