**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

**Fall 2012**

# **GENERAL COURSE INFORMATION**

Course Number: MDAS 1644

Course Title: Basic Medical Laboratory Techniques

Credit Hours: 3

Prerequisite: None

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

Course Description: A study of basic medical laboratory techniques for Physician’s office and medical laboratory personnel. Primary emphasis is on physical and chemical urinalysis, macroscopic hematology and instrument maintenance.

# **CLASSROOM POLICY**

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.

The College reserves the right to suspend a student for conduct that is detrimental to the College's educational endeavors as outlined in the College catalog.

Plagiarism on any academic endeavors at Barton County Community College will not be tolerated. Learn the rules of, and avoid instances of, intentional or unintentional plagiarism.

Anyone seeking an accommodation under provisions of the Americans with Disabilities Act should notify Student Support Services. Additional information about academic integrity can be found at the following link:

<http://academicintegrity.bartonccc.edu/>

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

This course may be of interest to medical personnel who are currently employed in physician offices, public health agencies, home health agencies, nursing homes, and as paramedical examiners. It can also be taken as an elective for students in the Barton Nursing Program and is a required course for Medical Assistant students.

This course is designed to develop useful, job-oriented skills, and is not designed as a transfer course.

# **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 and Course Competencies:

1. Understand medical laboratory organization in relation to regulating bodies
2. Discuss the organization and function of the medical laboratory.
3. Identify current federal and state regulations that relate to provision of medical lab services
4. Discuss the classification of lab procedures according to test complexity and the Clinical Laboratory Improvement Amendments (CLIA)
5. Understand and apply basic laboratory concepts
6. Discuss and demonstrate safety applicable to the medical lab, specimens and testing
7. Discuss and demonstrate the concepts related to quality control and assurance
8. Describe the basic principles of CLIA-waived lab procedures
9. Basic performance of selected testing
10. Perform selected CLIA-waived lab procedures to include at a minimum, routine physical and chemical examination of urine and macroscopic hematology
11. Identify, operate and maintain the laboratory equipment used to perform the above procedures
12. Describe the basic principles of other selected medical laboratory tests as covered by instructor.
13. Demonstrate the use of policy and procedure manuals.
14. **INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS**

# **TEXTBOOKS AND OTHER REQUIRED MATERIALS**

# **REFERENCES**

# **METHODS OF INSTRUCTION AND EVALUATION**

# **ATTENDANCE REQUIREMENTS**

1. **COURSE OUTLINE**