**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

**FALL 2010**

1. **GENERAL COURSE INFORMATION**

Course Number: MLTC 1511

Course Title: MLT Seminar in Laboratory Medicine

Credit Hours: 1 Credit Hour

Prerequisites: Instructor permission

Division and Discipline: Technical Division, Medical Laboratory Technician Program

Course Description: A study of selected laboratory analyses and topics.

1. **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 which 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 which is detrimental to the College’s educational endeavors, as outlined in the College catalog.

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

Anyone seeking an accommodation under the provisions of the Americans with Disabilities Act should notify Student Support Services.

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

This is one of a series of technical courses for the Medical Laboratory Technician Program. This course is designed to develop useful, job-oriented skills.
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/COURSE OUTCOMES**

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.

This course is intended to help the students:

1. Identify stress situations and develop coping mechanisms in their professional and personal life.
2. Describe professional and ethical behavior.
3. Reinforce correlation of patient laboratory results with patient clinical symptoms.
4. Apply Quality Management theory in the laboratory, including cost controls.
5. Evaluate relevant issues to the laboratory field and their sources.

1. **COURSE COMPETENCIES**

Upon successful completion of this course the students should be able to:

PROFESSIONAL ISSUES

1. Describe and evaluate sources of stress in the medical laboratory and their personal life.
2. Describe, design and relate strategies to cope with stress in their life using worksheets and evaluation tools.
3. Relate their stress coping design to real life behaviors.
4. Describe, evaluate and demonstrate professional and ethical behavior using a provided program and discussion.
5. Analyze case studies related to effective behavior/professionalism in the medical laboratory.
6. Correlate lab results with clinical symptoms using case studies.

QUALITY MANAGEMENT

1. Define, compare and contrast quality control, quality assurance and quality improvement.
2. Demonstrate and describe cost control as related to laboratories using a worksheet.

ISSUES/ARTICLES RELATED TO THE LABORATORY

###### Interpret and demonstrate understanding of selected articles from selected professional journals as presentations.

1. Evaluate resource origination through discussion..
2. Prepare and submit a written report on a selected medical subject using proper resources and professional articles.
3. Compare and contrast information received on field trips through presentations.
4. Identify contemporary issues related to the medical laboratory.
5. Practice Laboratory mathematics using a provided worksheet.
6. **INSTRUCTOR EXPECTATIONS OF STUDENTS IN CLASS**
7. **TEXT AND OTHER REQUIRED MATERIALS**
8. **REFERENCES**
9. **METHODS OF INSTRUCTION AND EVALUATION:**
10. **ATTENDANCE REQUIREMENTS**

## COURSE OUTLINE