# BARTON COMMUNITY COLLEGE COURSE SYLLABUS

1. **GENERAL COURSE INFORMATION**

Course Number: LIFE 1422 Course Title: Pathophysiology

Credit Hours: 4

Prerequisites: Successful completion (grade C or higher) in one of the following: Life 1408 Anatomy & Physiology or Life 1407 Anatomy & Physiology I and Life 1409 Anatomy & Physiology II or Medical Terminology

Division/Discipline: Academic, Medical Assistant, Medical Coding Course Description: This course is an introduction to the basic concepts of

pathophysiology. Students will examine the phenomena that produce alterations in human physiologic function and the resulting human response. Upon completion of the course, students will understand pathophysiological changes, including how pathological processes are manifested, progress in the body, and the primary and secondary effects of these changes.

# INSTRUCTOR INFORMATION

1. **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).

# COURSE AS VIEWED IN THE TOTAL CURRICULUM

Pathophysiology gives the learner a basic understanding of the systems of the human body in illness and in health. This course is required for Medical Assistant and Medical Coding. This course could be advantageous for students pursuing a degree in health science, biological science or criminal justice fields.

This course may be used to help fulfill credit and course requirements for general education and/or required science electives at some of the Kansas Regents’ institutions. However, general education requirements vary among institutions, and perhaps even among departments, colleges or programs within an institution. Also, these requirements may change from time to time and without notification. Therefore, it shall be the student’s responsibility to obtain relevant information from intended transfer institutions during their tenure at Barton Community College to insure that the student enrolls in the most appropriate set of courses for the transfer program.

# 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. Explore the general concepts of disease processes and factors associated with disease causation.
     1. Describe the common diseases and disorders of the human body systems.
     2. Explain the pathophysiologic changes that occur as a result of cellular injury.
     3. Relate an understanding of basic concepts of pathophysiology, including cellular injury, fluid/electrolyte balance, acid-base balance, and immune response to pathophysiologic changes that occur in selected disease processes.
  2. Identify the function of basic cellular structures, determining the sequelae of selected cellular malfunctions.
     1. Correlate the cellular and system changes that occur in selected disease processes with common presenting clinical manifestations.
  3. Describe the responses of the body to injury and immunologic challenge.
     1. Analyze the role of the immune system in disease processes.
     2. Apply events related to common disorders, major disease processes, and outline the inflammatory response events.
  4. Identify the etiology, pathogenesis, and treatment modalities of frequently occurring diseases.
     1. Recognize and analyze the pathophysiologic changes that occur in selected disease processes for each body system.
     2. Define the common treatment modalities and procedures associated with various disease processes.
     3. Classify and explain the terms related to the basic mechanics of disease processes.
     4. List the categories of pathogenic organisms and the effects these organisms have on the human body.

# INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS

1. **TEXTBOOKS AND OTHER REQUIRED MATERIALS**
2. **REFERENCES**
3. **METHODS OF INSTRUCTION AND EVALUATION**
4. **ATTENDANCE REQUIREMENTS**
5. **COURSE OUTLINE**