MASTER SYLLABUS
(Generic Outline)

Administrative Unit: Science
Course Prefix and Number: BIOL 326L
Course Title: Physiology Laboratory
Number of: 2
Credit Hours: 2
Lecture Hours: 0
Laboratory Hours: 2
Catalog Description: Laboratory experiences to complement BIOL 326. $20 lab fee. Concurrent enrollment in BIOL 326 is required. Prerequisites: BIOL 110 and CHEM 110. Offered Spring.
Prerequisite(s)/Corequisite(s): BIOL 110 and CHEM 110. Corequisite: BIOL 326
Text(s): Textbook(s) listed is/are not necessarily the textbook(s) used in the course:
Tharp, G.D. et al., Experiments in Physiology, Prentice Hall.
Course Objectives:
• To understand basic physiological techniques.
• To conduct experiments that measure physiological phenomena and interpret the results.
Measurable Learning Outcomes
• Describe how enzymes are important in physiological function.
• Describe the roles of diffusion and osmosis in physiological processes.
• Demonstrate reflex arcs.
• Interpret responses of various sensory receptors.
• Classify muscle tissue responses to stimuli.
• Describe the effects of stimuli on the heart.
• Explain changes in pulmonary function related to exercise.
• Interpret the chemical composition of urine.
Topical Outline (major areas of coverage):
• Laboratory exercises that are complementary to topics covered in BIOL 326 lecture.
Recommended maximum class size for this course: 24
Library Resources:
Online databases are available at http://www.ccis.edu/offices/library/resources.asp. You may access them from off-campus using your eServices login and password when prompted.
NOTE: The intention of the master syllabus is to provide an outline of the contents of this course, as specified by the faculty of Columbia College, regardless of who teaches the course, when it is taught or where it is taught. Faculty members teaching this course for Columbia College are expected to facilitate learning pursuant to the course objectives and cover the subjects listed in the topical outline. However, instructors are also encouraged to cover additional topics of interest so long as those topics are relevant to the course’s subject. The master syllabus is, therefore, prescriptive in nature but also allows for a diversity of individual approaches to course material.

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