Administrative Unit: Science

Course Prefix and Number: BIOL 323L

Course Title: Anatomy Laboratory

Number of: Credit Hours: 2  Lecture Hours: 0  Laboratory Hours: 2

Catalog Description: Laboratory experiences to complement BIOL 323. $20 lab fee. Concurrent enrollment in BIOL 323 is required. Prerequisite: BIOL 110. Offered fall.

Prerequisite(s)/Corequisite(s): BIOL 110; Corequisite: BIOL 323

Text(s): Textbook(s) listed is/are not necessarily the textbook(s) used in the course. Current editions of:


Sebastiani, A. and D. Fishbeck, Mammalian Anatomy: The Cat, Morton.

Course Objectives:  
• To demonstrate anatomical techniques including identification of structures.

Measurable Learning Outcomes
• Define and use precise anatomical terminology.
• Identify different tissues.
• Name and locate the bones of the axial and appendicular skeletons.
• Identify and give examples of different articulations.
• Describe gross and microscopic anatomy of muscles.
• Identify major muscles of the body and their actions.
• Identify parts of the brain and the spinal cord and name the cranial and spinal nerves.
• Describe the structures of the general and special senses.
• Identify structures and functions of the endocrine system.
• Name the structures of the circulatory and lymphatic systems and identify circulatory pathways.
• Outline the organization of the respiratory system.
• Identify the structures and relationships in the digestive, urinary and reproductive systems.

Topical Outline (major areas of coverage):
• Structural organization of the body
• Terminology of anatomy
• Cell structure
• Tissue level of organization
• Integumentary system
• Cartilage and Bone
• Skeleton and articulations
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.

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Date: March 15, 2005

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.

Office of Academic Affairs
12/04