

BIO 231L Section 001

Human Anatomy Laboratory

Catalog Course Description

Laboratory exercises supporting concepts in BIO 231 Human Anatomy lecture where the skeletal, muscular, nervous, circulatory, respiratory, excretory, digestive, reproductive, and endocrine systems of human beings are studied in relation to their anatomy and histology.

Faculty Information

Name: Dr. Charity Taboas

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Department: Biology

Office Hours: 2:00-4:00 pm Tuesdays (in Sciences 287K); 1:00-3:00 pm Fridays (2nd floor Sciences Building Fountain Overlook); by appointment

Course Learning Objectives

1. Identification of major anatomical structures and organ systems in the human body.
2. Become proficient in use of terminology for anatomical planes, sections and orientation.
3. Identify skin structures and tissues, bones, bone markings, and articulations of the integumentary and skeletal systems.
4. Locate and identify major muscles in the skeletal muscle system.
5. Learn the anatomical organization of the nervous and endocrine systems, including the central, peripheral, and autonomic nervous systems, along with structures that release hormones.
6. Identify structures of the cardiovascular and respiratory systems, including blood cells, the heart, blood vessels, and lung structures.
7. Locate and learn the anatomical organization of the urinary, digestive, and reproductive systems, from the kidneys, gastrointestinal tract, and biological sex structures.

Required Textbooks and Materials

Anatomy & Physiology: An Integrative Approach, 4th Edition

Authors: Valerie O'Loughlin, Theresa Bidle, and Michael McKinley (2022)

Publisher: McGraw Hill

ISBN: 9781265995812

Graded Elements of the Course

Item	Points each	Number	Subtotal	Approx %
Attendance	10	11-1=10*	100	10%
Laboratory Activities	50	17-1=16**	800	60%
Laboratory Practical Exams	100	3	300	30%
TOTAL			1200 pts	100%

*Of the twelve labs, Week 1 lab does not count toward attendance since it is online only. Eleven labs will have in-person attendance, but only 10 will count toward the final grade.

**Laboratory activities for each week will include multiple online parts and their associated quizzes that will total 50 points per lab activity. There will be one or two lab activities each week. The lowest lab activity grade will not count toward the final grade.