

BIOL 1551L - Anatomy and Physiology 1 Laboratory

Summer 2026 Syllabus, Section 01, CRN 30213,

Credit hours: 1

Instructor

Hamid Nawaz

Professional Qualifications:

B.S. Biology

M.S. Biology Credits

M.B.A. Business

M.D. Medicine

Lecturer

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Communication Expectations:

Please see me during class time with any questions before sending an email.

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Dr. Angel

Course Description

1551L. Anatomy and Physiology 1 Laboratory. Anatomical study of skeletal, muscular, and nervous systems. For students in nursing and associated health professions. Two hours of laboratory per week. Not applicable to the Biology major. BIOL 1551 must be taken either previous or concurrent. 1 s.h.

Course Readings

Group	Title	Author	ISBN
Required	McGraw Hill Lab Suite	McGraw Hill Lab Suite	McGraw Hill Lab Suite

McGraw Hill Lab Suite

McGraw Hill APR and Practice Atlas (Found in Lab Suite).

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Mon	5/11	Syllabus Review Scientific Method Skeletal System Axial skeleton	Syllabus, Scientific Method, Axial Skeleton	
Wed	5/13	Virtual Labs 1 Virtual Labs 2 Skeletal system Appendicular skeleton Dissection Assignments 1 and 2	Applying the Scientific Method 1 DNA Biology and Technology - Rapid diagnostic testing 2	
Mon	5/18	Muscular System anatomy	Muscular system anatomy overview	
Wed	5/20	Virtual Labs 3 and 4 Dissection Assignment 3 and 4 Muscular Anatomy continued	Microscopy: Connective Tissue 3 Microscopy: Epithelial Tissue 4	
Mon	5/25	University Closed		
Wed	5/27	Virtual labs 5 and 6 Dissection assignments 5 and 6	Skeletal System: Electrical Stimulation 5 Skeletal Muscle: Shoulder and Elbow Movement Exercises 6	
Mon	6/1	Lab Practical Exam 1		
Wed	6/3	Virtual Labs 7 and 8 Dissection assignments 7 and 8	Nervous System: Demonstrate Monosynaptic Reflexes 7 Eye and Vision: Pupillary Reflex Test 8	
Mon	6/8	Nervous System Special Senses		
Wed	6/10	Virtual Labs 9 Dissection assignment 9	Eye and Vision: Visual Acuity Test	
Mon	6/15	Endocrine system		
Wed	6/17	Virtual Labs 10 Dissection assignment 10	Endocrine System: Effects of Blood Glucose Level 10	
Mon	6/22	Lab Practical Exam 2		
Wed	6/24	Make up day/complete all labs.		

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.