

BIOL 1551L - Anatomy and Physiology 1 Laboratory

Fall 2026 Syllabus, Section 03, CRN 44058,

Credit hours: 1

Instructor

Christine Cunningham

Email: cmcunningham01@ysu.edu

Public Instructor Information

Instructor Title:

Instructor Professional Qualifications:

Instructor Office Location:

Instructor Office Phone:

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
Choose One	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	8/24	Scientific Study of the Human Body	Questions Scientific Study	Virtual Lab Applying Scientific Method
Mon	8/31	Histology	Histology Questions	Lab Activity: Connective Tissue Histology
Mon	9/7	Cytology	Questions Cytology	Virtual Lab: DNA Biology & Technology- Rapid Diagnostic Testing
Mon	9/14	Integumentary System	Questions Integumentary System/ Histology Slide Review: • Epithelial Tissue Histology • Muscular Tissue Histology • Connective Tissue Histology	• Histology Slide Review: • Epithelial Tissue Histology • Muscular Tissue Histology • Connective Tissue Histology
Mon	9/21	Skeletal system	Skeletal System Questions/ Online Lab: Skeletal Shoulder & Elbow movement ex.	• Face and Skull PowerPoint Structures
Mon	9/28	Bone Dissection	Lab: Skeletal Muscle Electrical Stimulation	• Bones of Shoulder & Arm PPT structures • Bones of Pelvic & Leg PPT
Mon	10/5	REVIEW DAY	REVIEW DAY	REVIEW DAY
Mon	10/12	Lab Practical 1 Exam	Lab Practical 1 Exam	Lab Practical 1 Exam
Mon	10/19	Nervous Tissue	Nervous Tissue questions Lab: Microscopy Nervous Tissue Brain Dissection Structure	Brain and Nervous Tissue Histology PowerPoint
Mon	10/26	Central Nervous Tissue CNS	CNS questions	Ear Structures review PPT
Mon	11/2	EAR/EYE pre reading	Online Lab Activity: Eye and Vision: Eye Dissection Online Eye and Visual Acuity Test	• Eye structures PPT • In Lab Visual Acuity Tests • Online video: how to check Acuity

Mon	11/9	Muscular System	Muscular system questions - Muscle Dissection	• Head muscles review PPT • Abdomen and Thorax muscles PPT
Mon	11/16	Spinal Cord anatomy	Arm and Leg Muscles PPT Review	Arm and Leg Muscles PPT Review
Mon	11/23	Nervous System Sensation	Online Lab: Demonstrate Monosynaptic Reflexes Questions: Nervous System Sensation	General Senses Lab
Mon	11/30	Lab Practical Exam 2	Lab Practical Exam 2	Lab Practical Exam 2
Mon	12/7	Finals Week – No Lab	Finals Week – No Lab	Finals Week – No Lab

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.