

BIOL 1551L - Anatomy and Physiology 1 Laboratory

Fall 2026 Syllabus, Section 10, CRN 43451,

Credit hours: 1

Instructor

Beth Queen

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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
	Hole's Human Anatomy and Physiology	Charles J. Welsh and Cynthia PrenticeCraver	9781264398508

Hole's Human Anatomy and Physiology. Authors: Charles J. Welsh and Cynthia PrenticeCraver. McGraw-Hill Co. Publisher. ISBN10: 1264398506 | ISBN13: 9781264398508

- You will use this textbook for BIOL 1551 lecture, 1551 lab, 1552 lecture, & 1552 lab.
- Labs will use: McGraw Hill 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

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Scientific Study of the Human Body Histology	Virtual Lab Applying Scientific Method, Questions Scientific Study Virtual Lab Activity: Connective Tissue Histology	NO IN-PERSON CLASS ----- ONLINE VIRTUAL LAB NO IN-PERSON CLASS ----- ONLINE VIRTUAL LAB
8/31	Cytology	Questions: Cytology Virtual Lab: DNA Biology & Technology-Rapid Diagnostic Testing	NO IN-PERSON CLASS ----- ONLINE VIRTUAL LAB
9/7	Integumentary System	Questions Integumentary System Virtual Lab Activity: Epithelial Tissue Histology	• Histology Slide Review: • Epithelial Tissue Histology • Muscular Tissue Histology • Connective Tissue Histology
9/14	Skeletal System	Questions: Skeletal System, Online Lab: Skeletal Shoulder & Elbow movement ex.	• Face and Skull PowerPoint Structures
9/21	Skeletal System	Bone Dissection Online Lab: Skeletal Muscle Electrical Stimulation	• Bones of Shoulder & Arm PPT structures • Bones of Pelvic & Leg PPT



9/28	N/A: review Skeletal System slideshow	• Clinical Application assignment	• Review Bones of Vertebral Column & Thoracic Cage PPT
10/5	Lab Practical 1	Lab Practical 1	Lab Practical 1
10/12	Nervous System: Nerve Tissue	Questions: Nervous Tissue Online Lab: Microscopy Nervous Tissue Brain Dissection structures	• Brain Anatomy PPT • Nervous Tissue Histology ppt
10/19	Nervous System: CNS	Questions: CNS	• Ear Structures PPT
10/26	Ear and Eye Pre readings	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
11/2	Muscular System	Questions: Muscular System, Online Muscle Dissection	• Head muscles review PPT • Abdomen and Thorax muscles PPT
11/9	Spinal Cord Anatomy	review Spinal Cord Models	• Arms and Leg Muscles PPT
11/16	Nervous System Sensation	Online Lab: Demonstrate Monosynaptic Reflexes Questions: Nervous System Sensation	• General Senses lab
11/23	Lab Practical 2	Lab Practical 2	Lab Practical 2
11/30	Finals Week – No Lab		

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