BIOL-218: HUMAN ANATOMY

Effective Term
Fall 2026

CC Approval
12/05/2025

AS Approval
12/11/2025

BOT Approval
12/18/2025

COCI Approval
02/26/2026

SECTION A - Course Data Elements

CB04 Credit Status
Credit - Degree Applicable

Discipline

Minimum Qualifications	And/Or
Biological Sciences (Master's Degree)	

Subject Code
BIOL - Biology
Course Number
218

Department
Biology

Division
Science and Engineering (SE)

Full Course Title
Human Anatomy

Short Title
Human Anatomy

CB03 TOP Code
0410.00 - Anatomy and Physiology

CB08 Basic Skills Status
NBS - Not Basic Skills

CB09 SAM Code
E - Non-Occupational

Rationale
Update DEi.

SECTION B - Course Description

Catalog Course Description
An introduction to the principles of the gross and microscopic anatomy of the human body. Dissection of a human cadaver and a cat are supplemented by anatomical models, charts, and microscopic observation of human tissues. Primarily intended for students pursuing an Associates Degree in Nursing (ADN), A.S. Degree in Respiratory Care, or B.A./B.S. Degree in a Health Sciences field.

SECTION C - Conditions on Enrollment

Open Entry/Open Exit
No

Repeatability
Not Repeatable

Grading Options
Letter Grade or Pass/No Pass

Allow Audit
Yes

Requisites

Prerequisite(s)
Completion of BIOL-105 OR BIOL-120 with a minimum grade of C.

Requisite Justification

Requisite Description
Course in a Sequence

Subject
BIOL
Course #
105

Level of Scrutiny
Content Review

Upon entering this course, students should be able to:
1. Current working knowledge of basic biology vocabulary, including cell structure and function; mitosis and meiosis; chemistry of life, including protein synthesis and DNA replication; ATP and cell metabolism.
2. Understanding of biochemistry, including propertion of molecules and chemical bonds; energy exchange and conservation; and ions and acid/base balance.

Requisite Description
Course in a Sequence

Subject
BIOL
Course #
120

Level of Scrutiny
Content Review

Upon entering this course, students should be able to:
1. Current working knowledge of basic biology vocabulary, including cell structure and function; mitosis and meiosis; chemistry of life, including protein synthesis and DNA replication; ATP and cell metabolism.
2. Understanding of biochemistry, including propertion of molecules and chemical bonds; energy exchange and conservation; and ions and acid/base balance.

SECTION D - Course Standards

Is this course variable unit?
No

Units
5.00000

Lecture Hours
54

Lab Hours
108

Outside of Class Hours
108

Total Contact Hours
162

Total Student Hours
270

Distance Education Approval

Is this course offered through Distance Education?
Yes

Online Delivery Methods

DE Modalities	Permanent or Emergency Only?
Hybrid	Permanent
Online with Proctored Exams	Permanent

SECTION E - Course Content

Student Learning Outcomes

	Upon satisfactory completion of the course, students will be able to:
1.	Identify macroscopic structures of human anatomy on anatomical models and preserved specimens.
2.	Identify microscopic structures and tissues using prepared histological slides.

Course Objectives

	Upon satisfactory completion of the course, students will be able to:
1.	Identify and describe structures of human anatomy at several levels of organization, including the subcellular, cellular, tissue, organ, and organ system levels.
2.	Categorize anatomical structures according to their level of organization and in relation to larger physiological systems.
3.	Identify the major tissue types and subtypes in prepared microscope slides and identify specific locations in the body where each tissue is found.
4.	Locate gross anatomical structures on a model of the human body and on a human subject, where appropriate.
5.	Perform dissections and identify anatomical structures on preserved specimens including the human cadaver.
6.	Relate anatomical structures to function by describing normal functions for each structure and examples of anatomical changes in that occur in disease, injury or aging.

Course Content

1. Introduction: Levels of Organization
2. Cell Structure and Function
3. Histology of Human Tissues
4. Integumentary System
5. Skeletal System
6. Muscular System
7. Cardiovascular System
8. Lymphatic Systems

9. Nervous System
10. Special Senses
11. Endocrine System
12. Respiratory System
13. Digestive System
14. Urinary System
15. Reproductive Systems

Laboratory Activities:

1. Identification of microscopic structures and tissues.
2. Identification of bones and bone features.
3. Identification of skeletal musculature and muscle features.
4. Identification of internal organs and gross anatomical structures of each organ system on models, preserved specimens and human cadavers.
5. Dissection of organs or observation of dissected organs.
6. Dissection of organisms or observation of dissected organisms.
7. Identification of structures on models.

Methods of Instruction

Methods of Instruction

Types	Examples of learning activities
Activity	
Journal	
Lecture	
Observation and Demonstration	

Online Adaptation

Types	Examples of learning activities
Activity	
Directed Study	
Group Work	
Individualized Instruction	
Journal	
Lecture	

Instructor-Initiated Online Contact Types

Announcements/Bulletin Boards
Chat Rooms
Discussion Boards
E-mail Communication
Telephone Conversations
Video or Teleconferencing

Student-Initiated Online Contact Types

Chat Rooms
Discussions
Group Work

Course design is accessible

Yes

Methods of Evaluation

Methods of Evaluation

Types	Examples of classroom assessments
Exams/Tests	Lecture Exams: 3 to 4 during the semester plus a comprehensive final exam. Lab Practical Exams: 4 during the semester, plus a comprehensive final exam. For example: Lecture Exam 1 will cover levels of anatomical organization; body regions and body cavities; cell structure; tissue classification, structure, and function; the integumentary system; and the skeletal system. Lab Exam 2 will cover muscle tissue and the muscular system, including identification of muscles on anatomical models, the preserved cat, and the human cadaver.
Quizzes	Occasional in-class quizzes
Class Participation	Participation and performance in dissection exercises. Laboratory notebook containing labeled drawings of histological slides observed under the microscope.
Lab Activities	Study of anatomical models and histological slides. Dissection of preserved specimens, e.g., cats and human cadavers.

Assignments

Reading Assignments

Reading assignments from the textbook and laboratory manual.

For example:

Read chapter 3 of the textbook in preparation for a lab activity involving identification of cell structures.

Read exercise 9 of the lab manual in preparation for dissection of muscles of the cat.

Writing Assignments

Drawing and labeling of histological structures and dissection of anatomical structures in preserved specimens.

For example:

Draw and label diagrams of histological specimens observed under the microscope and compile these drawings in a laboratory notebook.

Dissect and label two muscles in the human cadaver and work in a group to complete a dissection of six to ten muscles in an assigned body region.

SECTION F - Textbooks and Instructional Materials

Material Type

Textbook

Author

Tortora, G.J. & Nielsen, M.T.

Title

Principles of Human Anatomy

Edition/Version

14th

Publisher

Wiley

Year

2017

Material Type

Textbook

Author
Leboffe, M

Title
A Photographic Atlas of Histology

Edition/Version
2nd

Publisher
Morton Publishing

Year
2013

Material Type
Manual

Author
Morton, D., Crawley, J.

Title
Van De Graaff's Photographic Atlas for the Anatomy & Physiology Laboratory, 9e

Publisher
Morton Publishing

Year
2019

SECTION G - Diversity, Equity and Inclusivity

How does your course and/or course outline of record reflect strategies for accommodating and engaging diverse student populations, advancing equitable outcomes, and fostering inclusion for all students?

This course supports diverse student populations through the use of multiple representations of concepts, varied applications, and technology. Strategies may also include collaborative learning, transparent assessment practices, low-cost resources, and opportunities for students to connect course material to their own experiences, fostering equitable outcomes and an inclusive classroom environment.

Course Codes (Admin Only)

CB00 State ID
CCC000204020

CB10 Cooperative Work Experience Status
N - Is Not Part of a Cooperative Work Experience Education Program

CB11 Course Classification Status
Y - Credit Course

CB13 Special Class Status
N - The Course is Not an Approved Special Class

CB23 Funding Agency Category
Y - Not Applicable (Funding Not Used)

CB24 Program Course Status
Program Applicable

Allow Pass/No Pass
Yes

Only Pass/No Pass
No