Glendale College

Course Outline of Record Report

Course ID 005079

Cyclical Review - May 2025

BIOL120 : Human Anatomy

General Information

Author:	• Karoline Rostamiani
Course Code (CB01) :	BIOL120
Course Title (CB02) :	Human Anatomy
Department:	BIOL
Proposal Start:	Spring 2026
TOP Code (CB03) :	(0410.00) Anatomy and Physiology
CIP Code:	(26.0901) Physiology, General.
SAM Code (CB09) :	E - Non-Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000249921
Curriculum Committee Approval Date:	05/28/2025
Board of Trustees Approval Date:	07/08/2025
Last Cyclical Review Date:	05/28/2025
Course Description and Course Note:	BIOL 120 covers the systems of the human body, focusing on both microscopic and gross anatomy. Students learn about the integumentary, skeletal, muscular, nervous, circulatory, respiratory, lymphatic and immune, digestive, urinary, male and female reproductive, and endocrine systems. Students will also learn about the effects of disease and aging on these systems. During laboratory sessions, students will study tissues under the microscope, examining bones of the human skeleton, and using models to illustrate each body system. Dissections of a sheep brain, cow heart, and cow eye are performed to highlight comparative anatomy, and students observe a human cadaver. This course is primarily intended for students majoring in nursing, kinesiology, and other health-related fields. Note: A material/lab fee may be required for this course.
Justification:	Mandatory Revision
Academic Career:	• Credit
Mode of Delivery:	No value
Author:	• Karoline Rostamiani
Course Family:	No value

Academic Senate Discipline

Primary Discipline:	• Biological Sciences
Alternate Discipline:	No value
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08)

Course is not a basic skills course.

☐ Allow Students to Gain Credit by Exam/Challenge

Course Special Class Status (CB13)

Course is not a special class.

Pre-Collegiate Level (CB21)

Not applicable.

Grading Basis

- Grade with Pass / No-Pass Option

Course Support Course Status (CB26)

Course is not a support course

General Education and C-ID

General Education Status (CB25)

Not Applicable

Transferability

Transferable to both UC and CSU

Transferability Status

Approved

Cal-GETC	Area	Status	Approval Date	Comparable Course
Area 5B: Biological Science	Biological Science	Approved	09/02/2025	No Comparable Course defined.
Area 5C: Laboratory	Laboratory	Approved	09/02/2025	

GCC General Education Requirements	Area	Status	Approval Date	Comparable Course
Area 5: Natural Sciences	Natural Sciences	Approved	09/02/2025	No Comparable Course defined.

C-ID	Area	Status	Approval Date	Comparable Course
BIOL	Biology	Approved	08/29/2011	BIOL 110 B - Human Anatomy with Lab

Units and Hours

Summary

Minimum Credit Units (CB07)	5
Maximum Credit Units (CB06)	5
Total Course In-Class (Contact) Hours	162
Total Course Out-of-Class Hours	108
Total Student Learning Hours	270

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

Funding Agency Category (CB23)

Not Applicable.

☐ Cooperative Work Experience Education Status (CB10)

☐ Variable Credit Course

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	3	6
Laboratory Hours	6	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	0
Course In-Class (Contact) Hours	
Lecture	54
Laboratory	108
Studio	0
Total	162
Course Out-of-Class Hours	
Lecture	108
Laboratory	0
Studio	0
Total	108

Time Commitment Notes for Students

No value

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

Prerequisites, Corequisites, Recommended Corequisites, and Recommended Preparation

Advisory

BIOL115 - Human Biology (in-development)

BIOL 115 is strongly recommended for students with a limited background in the biological sciences.

Objectives

- Identify the body systems, their organs and functions.
- Describe the structure and functions of the cell and its organelles.

- Recognize the primary tissues of the human body and their relationship to body organs.
- Describe the cause and effect of selected major diseases and conditions of the human body.
- Correctly use basic body directional terminology.

AND

Advisory

ENGLC1000E - Academic Reading and Writing

Objectives

- Read analytically to understand and respond to diverse academic texts.
- Compose thesis-driven academic writing that demonstrates analysis and synthesis of sources as appropriate to the rhetorical situation.
- Demonstrate strategies for planning, outlining, drafting, revising, editing, and proofreading written work.
- Write timed, in-class essays exhibiting acceptable college-level control of mechanics, organization, development, and coherence.

AND

Advisory

ENGLC1000H - Academic Reading and Writing - Honors

Objectives

- Read analytically to understand and respond to diverse academic texts.
- Compose thesis-driven academic writing that demonstrates analysis and synthesis of sources as appropriate to the rhetorical situation.
- Demonstrate strategies for planning, outlining, drafting, revising, editing, and proofreading written work.
- Write timed, in-class essays exhibiting acceptable college-level control of mechanics, organization, development, and coherence.

AND

Advisory

ENGLC1000 - Academic Reading and Writing

Objectives

- Read analytically to understand and respond to diverse academic texts.
- Compose thesis-driven academic writing that demonstrates analysis and synthesis of sources as appropriate to the rhetorical situation.
- Demonstrate strategies for planning, outlining, drafting, revising, editing, and proofreading written work.
- Write timed, in-class essays exhibiting acceptable college-level control of mechanics, organization, development, and coherence.

Entry Standards

Entry Standards	Description
No value	No value

Course Limitations

Cross Listed or Equivalent Course	Description
No value	No value

Specifications

Methods of Instruction

Methods of Instruction	Lecture
Methods of Instruction	Laboratory
Methods of Instruction	Multimedia
Methods of Instruction	Demonstrations
Methods of Instruction	Discussion

Out of Class Assignments

- Laboratory reports (e.g. a written report that includes the title, purpose, materials, procedures, results, and conclusions for each laboratory exercise)
- Laboratory worksheets (e.g. questions that promote an understanding of structure- function relationships in organ systems)

Methods of Evaluation	Rationale
Exam/Quiz/Test	Midterm examinations and final examination, including essay questions
Exam/Quiz/Test	Laboratory practical exams
Exam/Quiz/Test	Laboratory quizzes

Textbook Rationale

No Value

Textbooks

Author	Title	Publisher	Date	ISBN
Elaine Marieb, Patricia Wilhelm, and Jon Mallatt	Human Anatomy	Pearson	January 4, 2019	978-0135168059

Other Instructional Materials (i.e. OER, handouts)

Description	Biology 120 Lab Manual
Author	GCC Biology Division, 2023
Citation	No value
Online Resource(s)	No value

Learning Outcomes

Course Objectives

Identify major structures in the 11 systems of the human body.

Identify the basic features of cells and their organization as tissues.

Identify the four major tissue types.

Identify subtypes of tissues within each major tissue type (e.g., areolar connective tissue, cardiac muscle, simple vs. stratified epithelium).

Identify the location and function of subtypes of tissues in various organ systems.

Describe the structure-function relationship of each organ system (e.g., the nephron and its role in the kidney).

Demonstrate proper use of a microscope to identify major tissue types in histological slides.

Identify all major bones and bone markings using human bones and models.

Identify all major muscles (including knowledge of origin, insertion, and action) using anatomical models.

Identify all of the major structures of organ systems using models and tissue slides.

Identify major organs and structures in a human cadaver.

Demonstrate proper dissection techniques for organs (e.g., cow eye, sheep brain).

SLOs

Identify bones, their markings, and describe the bone development process Expected Outcome Performance: 70.0

BIOL Health Science - A.S. Degree Major	Be well-prepared for courses in the health science professions
	Identify anatomical structures and describe the functions of important systems in the human body
BIOL Health Science AS Degree	Be well-prepared for courses in the health science professions
	Identify anatomical structures and describe the functions of important systems in the human body
ILOs Core ILOs	Communicate clearly, ethically, and creatively; listen actively and engage respectfully with others; consider situational, cultural, and personal contexts within or across multiple modes of communication.
NS Registered Nursing - A.S. Degree Major	Complete the nursing program with requiste knowledge of the discipline including clinical evidenced-based practice within a required time frame.
	Demonstarte requiste knowledge of the profession of registerd nursing by successfully passing the NCLEX-RN Board Exam.
SOC Social Work and Human Services AA-T Degree	Explain the qualities and characteristics of effective human service professionals who view clients as whole persons in the context of their family, culture, and community using a biopsychosocial perspective.
KIN Kinesiology - AA-T	Recognize and understand the functions of human body systems
ILOs General Education	apply reasoning to evaluate hypotheses and theories
	examine causality or associations between or among variables of the natural world

Identify major muscle groups, their actions, and explain sliding filament mechanism of contraction Expected Outcome Performance: 70.0

ILOs Core ILOs	Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.
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Identify the major structures of the central and peripheral nervous systems and describe their functions. Expected Outcome Performance: 70.0

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Identify and describe the function of the major cellular organelles and the four major human tissue types and subtypes.
Expected Outcome Performance: 70.0

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Identify major structures of the cardiovascular, respiratory, immune, and lymphatic systems, and describe their functions
Expected Outcome Performance: 70.0

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	Identify anatomical structures and describe the functions of important systems in the human body
BIOL Health Science AS Degree	Be well-prepared for courses in the health science professions
	Identify anatomical structures and describe the functions of important systems in the human body
ILOs Core ILOs	Communicate clearly, ethically, and creatively; listen actively and engage respectfully with others; consider situational, cultural, and personal contexts within or across multiple modes of communication.
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KIN Kinesiology - AA-T	Recognize and understand the functions of human body systems
ILOs General Education	apply reasoning to evaluate hypotheses and theories
	examine causality or associations between or among variables of the natural world

Identify and name the major organs of the digestive, urinary, reproductive and endocrine systems and their functions.

Expected Outcome Performance: 70.0

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	Identify anatomical structures and describe the functions of important systems in the human body
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KIN Kinesiology - AA-T	Recognize and understand the functions of human body systems
ILOs General Education	apply reasoning to evaluate hypotheses and theories
	examine causality or associations between or among variables of the natural world

Course Content

Lecture Content

Cell Structures and Tissues (6 hours)
- Levels of organization in the human body
- Use of the microscope
- Cells and organelles
- Four tissue types
- Integumentary system
- Cell division
- Membrane transport
- Embryology

The Skeletal System (10 hours)
- The axial skeleton
- The appendicular skeleton
- Joint classification

The Muscular System (10 hours)
- Muscle tissue
- Internal structure of skeletal muscles
- Vertebral muscles
- Muscles of the thorax and abdomen
- Muscles of the pelvis and perineum
- Muscles of the shoulder, arm, forearm, and hand
- Muscles of the hip, thigh, leg and foot
- Muscles of the back
- Muscles of the face, head and neck

The Nervous System (6 hours)
- The central nervous system
    - The brain
    - The spinal cord
- The peripheral nervous system
    - Cranial nerves
    - Spinal nerves
    - Autonomic nervous system

Sensory Systems (1.5 hours)
- Vision
- Olfaction
- Audition
- Taste
- Other senses

T**he Circulatory Syste**m **(3 hours)**
- The heart
- Blood vessels
- Blood

The Respiratory System (1.5 hours)
- Conducting structures
- Respiratory structures

The Lymphatic and Immune Systems (1.5 hours)
- Lymphatic tissues
- Lymphatic organs
- Nonspecific immune system (inflammatory response)
- Specific immune system

The Digestive System (4 hours)
- Tissues and structures of the alimentary canal
- Tissues and structures of the accessory digestive organs
    - Pancreas
    - Liver
    - Gall bladder
    - Salivary glands

The Urinary System (4 hours)
- Tissues and structures of the urinary tract
- Tissues and structures of the kidney

- Anatomy of the nephron
- Blood supply

The Reproductive System (5 hours)
- Tissues and structures of the male reproductive system
- Spermatogenesis
- Tissues and structures of the female reproductive system
- The menstrual cycle

The Endocrine System (1.5 hours)
- Function of hormones
- Anatomy of the hypothalamus
- Anatomy of the pituitary gland
- Anatomy and location of the major endocrine glands

Total Hours = 54

Laboratory/Studio Content

Cell Structures and Tissues (12 hours)
- Levels of organization in the human body
- Use of the microscope
- Cells and organelles
- Four tissue types
- Integumentary system
- Cell division
- Membrane transport
- Embryology

The Skeletal System (20 hours)
- The axial skeleton
- The appendicular skeleton
- Joint classification

The Muscular System (20 hours)
- Muscle tissue
- Internal structure of skeletal muscles
- Vertebral muscles
- Muscles of the thorax and abdomen
- Muscles of the pelvis and perineum
- Muscles of the shoulder, arm, forearm, and hand
- Muscles of the hip, thigh, leg and foot
- Muscles of the back
- Muscles of the face, head and neck

The Nervous System (12 hours)
- The central nervous system
  - The brain
  - The spinal cord
- The peripheral nervous system
  - Cranial nerves
  - Spinal nerves
  - Autonomic nervous system

Sensory Systems (3 hours)
- Vision
- Olfaction
- Audition
- Taste
- Other senses

T**he Circulatory Syste**m **(6 hours)**
- The heart
- Blood vessels
- Blood

The Respiratory System (3 hours)

- Conducting structures
- Respiratory structures

The Lymphatic and Immune Systems (3 hours)
- Lymphatic tissues
- Lymphatic organs
- Nonspecific immune system (inflammatory response)
- Specific immune system

The Digestive System (8 hours)
- Tissues and structures of the alimentary canal
- Tissues and structures of the accessory digestive organs
    - Pancreas
    - Liver
    - Gall bladder
    - Salivary glands

The Urinary System (8 hours)
- Tissues and structures of the urinary tract
- Tissues and structures of the kidney
    - Anatomy of the nephron
    - Blood supply

The Reproductive System (10 hours)
- Tissues and structures of the male reproductive system
- Spermatogenesis
- Tissues and structures of the female reproductive system
- The menstrual cycle

The Endocrine System (3 hours)
- Function of hormones
- Anatomy of the hypothalamus
- Anatomy of the pituitary gland
- Anatomy and location of the major endocrine glands

Total Hours = 108

Additional Information

Repeatability

Not Repeatable

Justification (if repeatable was chosen above)

No Value

Is it possible this course will have a material fee?

Yes

I have contacted my library liaison (https://campusguides.glendale.edu/faculty/liaisons):

No

What term(s) will this course be offered?

Fall/Winter/Spring/Summer

Will any additional resources be needed for this course? (Click all that apply)

- New Equipment

If additional resources are needed, add a brief description and cost in the box provided.

We will expanding to a third lab and will need anatomical models.