



## Basic Course Information

<b>Semester:</b>	Spring 2024	<b>Instructor Name:</b>	Lennie Bashiri
<b>Course Title &amp; #:</b>	Human Anatomy & Physiology I / Bio 200	<b>Email:</b>	
<b>CRN #:</b>	20026	<b>Webpage (optional):</b>	N/A
<b>Classroom:</b>	Building 2700/ Room 2736	<b>Office #:</b>	Building 2700 room 2779.1
<b>Class Dates:</b>	02/12/2024 – 06/07/2024	<b>Office Hours:</b>	M W- 3:00pm – 4:00pm
<b>Class Days:</b>	MW	<b>Office Phone #:</b>	760-355- 6148
<b>Class Times:</b>	16:45 -17:50	<b>Emergency Contact:</b>	Department Secretary: 760 355 6155
<b>Units:</b>	4	<b>Class Format:</b>	Face-to-Face/On Ground

## Course Description

A two-semester study of the structure and function of the human organism, from the molecular to the gross level. This course may require the use of human cadavers for observation and/or dissection. Preparatory for RN program and paramedical programs. (C-ID: BIOL 115 B with BIOL 200 & BIOL 202) (CSU, UC credit limited. See a counselor.)

## Course Prerequisite(s) and/or Corequisite(s)

BIOL 100 and BIOL 100 or BIOL 122 or BIOL 124 or BIOL 180 or BIOL 182 - with grades of "C" or better; or - successful completion of Intermediate Algebra or appropriate placement as defined by AB705 and - current California LVN/RN license.

## Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and attitudes as demonstrated by being able to:

1. Display critical thought related to key concepts and issues in human anatomy and physiology using written and/or oral forms of expression and examination.
2. Identify basic anatomy and physiological processes related to the human body.

## Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. List the classification and characteristics of the human organism and describe the body's organization, region, and cavities.



2. Describe the structure and function of the cells, cell organelles, and cell division, genetic regulation, and protein synthesis.
3. List and describe the types, functions, and locations of the different tissues in the body.
4. Describe the structure and functions of the integumentary system.
5. Describe the structure and functions of the skeletal system and identify the main bones and joints and different types of articulations.
6. Explain the structure and functions of the muscular system, molecular model of muscle contraction, and identify main muscles' names, locations, and actions.
7. Explain transmission and regulation of nerve impulses and describes the structure and functions of the nervous system, including the brain, spinal cord, and sensory organs.

### Textbooks & Other Resources or Links

J. G. Betts et al. **Anatomy and Physiology OpenStax**, ISBN: 9781938168130. This is an OER textbook and digital access to this textbook is free: <https://openstax.org/details/books/anatomy-and-physiology>

### Course Requirements and Instructional Methods

#### Method of teaching:

Using PowerPoint effectively improves classroom instruction and learning. Active learning and question-and-answer sessions will also be part of the lecture in this class.

#### Exams:

Except for the final exam, there will be FIVE (5) cumulative lecture exams. A total of **50%** will be earned, with **10%** going toward each exam. There will be true-or-false, multiple-choice, and brief essay questions in the exam format. All tests will come with study guides. To do well on the tests, you must provide thorough answers to the questions in your study guides.

**No make-up test will be provided.**

#### Laboratory Exams

There will be four (4) laboratory exams on the material covered during the class period.

**No make-up test will be provided.**

#### Final Exam

The final exam will be cumulative including 100 questions and worth **10%**.

**Weekly assignments**, including questions sets, case studies, critical thinking, Quizzes etc.... count for **12%**

### Course Grading Based on Course Objective



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Five equally weighted Lecture Exams	5X10%	50%
Four equally weighted Laboratory exam	4X 7%	28%
Weekly assignments, Case study, Critical thinking, and weekly Quizzes	? X 12%	12%
<b><u>Final Exam</u></b>		
The final exam will be cumulative including 100 questions	1X10	10%.

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<b>Total</b>		<b>100%</b>	
<b>A: 90 – 100 %</b>	<b>B: 80 – 89.9 %</b>	<b>C: 70 – 79.9 %</b>	<b>D: 60 – 69.9 %</b>

**Optional exam:** MAY BE?

The optional **exam may** be provided to replace the lowest grade you received in any of the four exams (excluding the final exam). This exam is not mandatory, but you can take it if you have a low grade in any of the four exams.

- Instructions and announcements will be posted on Canvas on a weekly basis, and it is your responsibility to periodically check your email and announcements on Canvas. **No excuses will be accepted for missing announcements.**

**Important Note:**

- All exams and assignments will have due dates. **It is your responsibility** to read the instructions carefully and check the due dates to make sure you submit the assignments on time and before they are due. Missed weekly assignments/exams will get a zero.
- If you have a valid reason for missing a due date, **It is your responsibility** to let your instructor know about it as soon as possible, otherwise you will get a zero for the missing assignment.
- It is your responsibility to frequently check and read the new announcements thoroughly on Canvas.

**Academic Honesty (Artificial Intelligence -AI)**

Academic honesty in the advancement of knowledge requires that all students and instructors **respect the integrity of one another's work and recognize the importance of acknowledging and safeguarding intellectual property.** There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.

**Plagiarism** is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to cite a source correctly, you must ask for help.



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**Cheating** is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Dean of Student Affairs, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action.

Acts of cheating include, but are not limited to, the following:

- Plagiarism
- Copying or attempting to copy from others during an examination or on an assignment.
- Communicating test information with another person during an examination
- allowing others to do an assignment or a portion of an assignment
  - using a commercial term paper service.

Please refer to the [General Catalog](#) [Links to an external site.](#) for more information on academic dishonesty or other misconduct.

## Course Policies

### ***Attendance:***

Active participation throughout the semester is critical to your success and is required for IVC to use federal aid funds.

**A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class.** Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. **It is the student's responsibility to drop or officially withdraw from the class.**

- **Regular attendance** in all classes is expected of all students. **A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped.** For online courses, students who fail to complete required activities for **two consecutive weeks** may be considered to have excessive absences and may be dropped.
- **Absences attributed** to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as **'excused' absences**.

## Other Course Information

### Classroom Policies



- **Electronic Devices:** Cell phones and electronic devices must be turned off and put away during class unless otherwise directed by the instructor. While the instructor is presenting the lab or lecture, no pictures should be taken from the board.
- **Food and Drink:** Food and drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed by the instructor.
- **Disruptive Students:** Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Dean of Student Affairs before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the General Catalog.
- **Children in the classroom:** Due to college rules and state laws, only students enrolled in the class may attend; children are not allowed.

### IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit <http://www.imperial.edu/studentresources> or click the heart icon in Canvas.

### Anticipated Class Schedule/Calendar

*[Provide a tentative overview of the readings, assignments, tests, and/or other activities for the duration of the course. As in the example below, a table format may be used.]*

**\*\*\*Subject to change without prior notice\*\*\***



**LECTURE AND LAB TENTATIVE SCHEDULE**  
**BIOL 200 Anatomy and Physiology I**  
**Spring 2024**

<b>DATE</b>	<b>Lecture</b>	<b>Laboratory</b>
<b>WEEK 1</b> Feb 12 - 16) <i>01/12 – First Day of Class</i>	CHAPTER 1 The Human Body, An Overview	Lab Safety
<b>WEEK 2</b> ( Feb 19 - 23)	CHAPTER 2 Chemistry Comes Alive	Lab Exercise 3 The microscope
<b>WEEK 3</b> (Feb 26 - Mar 1) <b>02/01 – Census Day</b>	CHAPTER 3 Cells: The Living Units	Lab exercise 1,2 & 4 Language of Anatomy, Organ Systems Overview, The Cell: anatomy & division
<b>WEEK 4</b> (Mar 4 - 8) <b>2/10 – Instructor In-service</b>	<b>EXAM I CHAPTERS 1-3</b> CHAPTER 4: Tissues	Lab exercise 1,2 & 4 Language of Anatomy, Organ Systems Overview, The Cell: anatomy & division
<b>WEEK 5</b> (Mar 11 - 15)	CHAPTER 5 Integumentary System CHAPTER 6 Bones and Skeletal Tissue	<b>Lab Quiz I Ex 1-4</b> Lab Exercise 6 Classification of Tissues
<b>WEEK 6</b> (Mar 18 -22)	<b>EXAM II CHAPTERS 4, 5, 6</b> CHAPTER 7 The Skeleton ( <b>LAB</b> ) CHAPTER 8 Skeleton and Joints	Muscular system – Axial use of models. Gross anatomy of muscular system 133, 2 days lab
<b>WEEK 7</b> ( Mar 25 - 29)	CHAPTER 10 Chapter 10 Muscles & Muscular Tissue Chapter 11 Nervous system	Muscular system Appendicular and Gross Anatomy of the brain and cranial nerves 133, 2 days lab
<b>WEEK 8</b> ( Apr 1 -6)	<b>SPRING BREAK</b>	<b>SPRING BREAK</b>
<b>WEEK 8</b> (Apr 8 -12)	<b>Exam 3 Chapter 8, 10, 11</b> <b>The Nervous system Chapter 12 – 16</b> <b>Endocrine system Chapter 17</b>	Gross Anatomy of the brain and Cranial Nerves
<b>197WEEK 9</b> <i>April )</i>	<b>The Endocrine system</b> <b>Chapter 17</b>	Special senses, eye (197) The ear and equilibrium, 279 Endocrine and blood lab (227)
<b>WEEK 10</b> ( Apr 22 - 26)	Cardiovascular system Chapter 18- 20	
<b>WEEK 11</b> ( Apr 29 – May 3)		<b>LAB PRACTICAL II (Ex 8-11)</b> Lab exercise 12 Microscopic anatomy and Organization of Skeletal Muscle
<b>WEEK 12</b> ( May 6 - 10)		<b>Lab Quiz IV (Ex 12)</b> Lab Exercise 13 Gross Anatomy of Muscular System
<b>WEEK 13</b> ( May 13 - 17) <b>Last Day to WD</b>		<b>LAB PRACTICAL III (Ex 12-13)</b> Lab exercises 15 & 17 Histology of Nervous Tissue; Gross anatomy of the Brain and Cranial Nerves
<b>WEEK 14</b> ( May 20 - 24)	<b>EXAM IV CHAPTERS 11-14</b> CHAPTER 14 Autonomic Nervous System CHAPTER 15 Special Senses	Lab exercises 19-21 Spinal Cord, Spinal Nerves; The Autonomic Nervous System and Human Reflexes
<b>WEEK 15</b> ( May 27 - 31)	<b>EXAM IV CHAPTERS 15</b>	Lab exercise 21-26 General senses and Special Senses
<b>WEEK 16</b> ( Jun 3 - 7) <b>Final Exam Week</b>	<b>Final Exams</b> <b>(Comprehensive)</b>	<b>LAB PRACTICAL IV ( )</b>



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