IMPERIAL VALLEY COLLEGE

Basic Course Information

Semester:	**Winter 2024**	Instructor Name:	**Setareh Madani**
Course Title & #:	**Human Anatomy/ BIOL 204**	Email:	**setareh.madani@imperial.edu**
CRN #:	**10578**	Webpage (optional):	https://imperial.instructure.com/courses/23360
Classroom:	**Online**	Office #:	**2779**
Class Dates:	**1/2/24 – 2/2/24**	Office Hours:	**N/A** **Zoom :https://cccconfer.zoom.us/j/6512389098**
Class Days:	**MTWRF**	Office Phone #:	**760 355 6148**
Class Times:	**12:30 – 1:50 PM** **2:00 – 6:30 PM**	Emergency Contact:	**Department Secretary: 760 355 6155**
Units:	**4**	Class Format:	**Online Synchronous/Real Time**

Note: This course is fully online with live sessions starting at 12:30 pm on MTWRF. To join the live sessions, you can either use the top zoom link which is provided here in this table, or the link which is posted under the module 0 on the Canvas page of your class, no difference; both take you to your class.

Course Description

Lecture and laboratory course designed to study the fundamental principles of the human body structure at the cellular, tissue, organ and systems level of organization, including the cat and organ dissection, study of the human skeleton, structural-functional relationships, and appreciation of related human diseases and aging. This course may require the use of human cadavers for observation and/or dissection. (C-ID: BIOL 110B) (CSU, UC credit limited. See a counselor.)

Course Prerequisite(s)

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 AB 705 and current California LVN/RN license.

Student Learning Outcomes

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

1. Display critical thought and competency in communicating information related to topics in human anatomy. (ILO1, ILO2, ILO4)
2. Display knowledge of anatomy and dissection competency using mammal and/or human cadaver specimen as subjects. (ILO1, ILO4)

Course Objectives

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

1. Characterize the levels of structural organization in the human body and to describe regional names, directional terms, plains and sections, body cavities and abdominal regions and quadrants.
2. Define a cell and explain the structure and functions of its principal parts.
3. Identify and discuss the origin, classification, structure, location and functions of four major types of tissues.
4. Describe the structure and function of the various layers of the skin, the epidermal derivatives.
5. Describe the gross features of a long bone and the process of bone formation.
6. Identify all the bones of the skeleton and their important surface markings.
7. Describe the structural and functional classification of the joints; describe the important characteristics of selected joints.
8. Describe the connective tissue components, the motor unit, the neuromuscular junction, and the microscopic anatomy of muscle tissue.
9. Describe how the skeletal muscles provide specific movements of the body, and identify the principal skeletal muscles of the body.
10. Describe the major surface features of the head, neck, trunk, and upper and lower extremities.
11. Describe characteristics of the blood plasma and the formed elements of the blood.
12. Describe the general flow of blood through the systemic and pulmonary circulation, the structural and functional features of the heart.
13. Contrast the structure and functions of blood vessels and identify the major vessels in the body.
14. Trace lymphatic circulation; describe the structure and functions of lymphatic tissues and organs.
15. Describe the organization of the nervous system and contrast histological characteristics and functions of neurons and neuroglia.
16. Describe the anatomy of the spinal cord, the reflexes, and the origin, composition, and branches of spinal nerves and nerve plexuses; Identify the principal parts of the brain and cranial nerves; explain the formation and circulation of cerebrospinal fluid.
17. Describe the components of sensations, major characteristics of sensory receptors, the sensory pathways, integration of sensory input and motor input, and the motor pathways.
18. Identify the structures of the eyes and the ears, and describe the neural pathways for olfaction, taste, vision, hearing, and equilibrium.
19. Compare the structures and functions of the somatic and autonomic nervous systems.
20. Describe the location, histology, and functions of the major endocrine glands of the body.
21. Identify the structures of the respiratory system and the mechanics of pulmonary ventilation.
22. Identify and describe the structure and functions of the digestive organs and accessory organs.
23. Identify the features of the kidneys; describe the blood supply to the kidney, and describe the location, structure and functions of ureters, urinary bladder, and urethra.
24. Identify and describe the structure, histology, and functions of the male and female reproductive systems, and explain the principal events of gametogenesis; describe the major events that occur during pregnancy.
25. Demonstrate dissection skills using animals and/or a human cadaver.

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

Teaching will be aided with the use of PowerPoint slides based on the materials derived from the textbook and other sources**.** Videos and simulated labs by Labster will be used as well**.**

EXAMS:

There will be **4 online equally weighted cumulative exams**, excluding the final exam, with multiple-choice questions, true or false, or/and assay questions. Each of these exams will be worth 50 points. It will provide you with **200 possible points** to take.

Final exam will be **cumulative** as well, and in two parts, with a total of **100 possible points** to take. Part one of the final exam will cover the first half of the course material, with 50 possible points, and part two will cover the second half of the course material, with 50 possible points.

Daily assignments, including simulated labs, discussions, quizzes, etc. will have a total of **400 possible points** to take. You need to have 20 assignments submitted by the end of the course to complete your daily assignments.

Detailed instructions on what you need to do as your daily assignments will be given to you through weekly announcements at the beginning of each week.

- **The instructions will be posted on Canvas as weekly announcements.**
- **Since the course is fully online, it is very important to check the announcements frequently. NO EXCUSE WILL BE ACCEPTED IF YOU MISS THE 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**.
- **It is your responsibility** to frequently check and read the new announcements thoroughly on Canvas.

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Course Grading Based on Course Objectives

4 Equally weighted Cumulative Exams	4 x **50 pts**	200 pts
Final Exam (cumulative) in two parts	2 x **50 pts**	100 pts
20 Daily assignments (simulated labs, etc.)	20 x **20 pts**	400 pts
Total		**700pts**

A: 90 – 100 % **B: 80 – 89.9 %** **C: 70 – 79.9 %** **D: 60 – 69.9 %**

Course Policies

Attendance:

In an online course, **student participation is equal to attendance**. Active participation throughout the semester is critical to your success and required as the primary proof of your attendance in the course and for IVC to use federal aid funds.

In compliance with the campus attendance/participation policy posted below, any student who does not complete the first assignment(s) may be dropped from the course.

Acceptable indications of attendance are:

- Student submission of an academic assignment
- Student submission of an exam
- Student participation in an instructor-led Zoom conference
- Documented student interaction with class postings, such as an interactive tutorial or computer-assisted instruction via modules
- A posting by the student showing the student's participation in an assignment created by the instructor
- A posting by the student in a discussion forum showing the student's participation in an online discussion about academic matters
- An email from the student or other documentation showing that the student has initiated contact with a faculty member to ask a question about an academic subject studied in the course.

Logging onto Canvas alone is NOT adequate to demonstrate academic attendance by the student.

- A student who fails to attend the first meeting of a class or does not complete the first assignment(s) of an online class may 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. See General Catalog for details.
- 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.

Academic honesty:

Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important 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.

- 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 Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

How do I show academic honesty and integrity in an online "classroom"?

- **KEEP YOUR PASSWORDS CONFIDENTIAL.**
  - You have a unique password to access online software like Canvas. Never allow someone else to log-in to your account.
- **COMPLETE YOUR OWN COURSEWORK.**
  - When you register for an online class and log-in to Canvas, you do so with the understanding that you will produce your own work, take your own exams, and will do so without the assistance of others (unless directed by the instructor).

Examples of Academic Dishonesty that can occur in an online environment:

- Copying from others on a quiz, test, examination, or assignment,
- Allowing someone else to copy your answers on a quiz, test, exam, or assignment,
- Having someone else take an exam or quiz for you,
- Conferring with others during a test or quiz (if the instructor didn't explicitly say it was a group project, then he/she expects you to do the work without conferring with others),
- Buying or using a term paper or research paper from an internet source or other company or taking any work of another, even with permission, and presenting the work as your own,
- Excessive revising or editing by others that substantially alters your final work,
- Sharing information that allows other students an advantage on an exam (such as telling a peer what to expect on a make-up exam or prepping a student for a test in another section of the same class);
- Taking and using the words, work, or ideas of others and presenting any of these as your own work is plagiarism. This applies to all work generated by another, whether it be oral, written, or artistic work. Plagiarism may be either deliberate or unintentional.

Netiquette:

- Netiquette is internet manners, online etiquette, and digital etiquette all rolled into one word. Basically, netiquette is a set of rules for behaving properly online.
- Students are to comply with the following rules of netiquette: (1) identify yourself, (2) include a subject line, (3) avoid sarcasm, (4) respect others' opinions and privacy, (5) acknowledge and return messages promptly, (6) copy with caution, (7) do not spam or junk mail, (8) be concise, (9) use

appropriate language, (10) use appropriate emoticons (emotional icons) to help convey meaning, and (11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!!)].

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.

Some Important Dates to Remember:

January 2, Tuesday … Beginning of Winter Intersession.
January 4, Thursday … Deadline to register for Fall Semester full-term courses.
January 8, Monday … Census. Deadline to drop full-term classes without owing fees and/or be eligible for refund.
January 25, Thursday … Deadline to drop full-term courses.
February 2, Friday … Final Exam

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Anticipated Class Schedule/Calendar

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
Week 1 January 2 – 5	Syllabus & Introduction, Chapter 1: The Study of Anatomy The Chemical Level of Organization (Ch. 2) The Cellular Level of Organization (Ch. 3) The Tissue Level of Organization (Ch. 4)	Refer to the Announcement Week 1 on Canvas page.
Week 2 January 8 – 12	**Monday, January 8: Exam 1** (chapters 1, 2, 3, 4) Introduction to the Organ Systems Anatomical Terminology The Nervous System (Ch. 12 – 16)	Refer to the Announcement Week 2 on Canvas page.
Week 3 January 16 – 19	Monday, Jan. 15: MLK JR Day/**No Classes** **Tuesday, January 16: Exam 2** (Ch. 1 – 4 and 12 – 16) The Endocrine System (Ch. 17) The Cardiovascular System (Ch. 18 – 20) The Lymphatic and Immune System (Ch. 21)	Refer to the Announcement Week 3 on Canvas page.
Week 4 January 22 – 26	**Monday, January 22: Exam 3** (chapters 1 – 4 and 12 – 21) The Integumentary System (Ch. 5) The Skeletal System (Ch. 6 – 9) The Muscular System (Ch. 10 – 11)	Refer to the Announcement Week 4 on Canvas page.
Week 5 Jan. 29 – Feb. 2	**Monday, January 22: Exam 4** (Ch. 1 – 21) The Respiratory System (Ch. 22) The Digestive System (Ch. 23) The Urinary System (Ch. 25) The Reproductive System (Ch. 27) **Friday, Feb 2: Final Exam parts 1 and 2** (please refer to the Canvas announcement for the chapters that will be covered by each part of the final exam)	Refer to the Announcement Week 5 on Canvas page.

*****Changes and revision can be made without prior notice; students will be informed of changes*****