

Fall Semester 2025 Syllabus

Intro to Human Biology (BIO 107)

Victor Valley College
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Course No.: BIO 107

Course Title: Intro to Human Biology

Units: 4.0

Section #: 70022

Lecture: Online on Canvas with Dr. Naveen Jalota, M.D.

Lab: Online with Dr. Hinrich Kaiser Ph.D.

Fall 2025 Important Dates:

Fall Begins – September 22

Deadline to add – October 6

Last day to withdraw without receiving a “W” – October 7

Last day to drop and receive a “W” – November 20

Lecture Final exam due – December 13, 2025 11:59pm Saturday

Course Description: This is an introductory course in biological principles with a human perspective. Emphasis is on cellular structure and function, organ systems, homeostasis, adaptation, cell & population genetics and the interaction of the human species with the ecosystem.

Course Format: Biology 107 is a transferable (CSU, but not UC) laboratory life science course intended to give a broad background in this area of science. Students are expected to attend both the lecture and laboratory portions of this course.

STATEMENT OF ACCESS: Students with accessibility needs are encouraged to meet with instructors to discuss the opportunity for academic accommodation and referral to the ACCESS Resource Center (AP 5140) and services per Administrative Procedure (AP 3440)

Withdrawal Policy: A student may drop or withdraw (or be dropped by an instructor) before the 75% point of completing the class. Students may not drop or be dropped after this point, and instructors must issue a grade if the student remains on the class roster beyond this point. A student who drops a class (or who is dropped by an instructor) on or before 30% of the course will have no record of that class appearing on their permanent transcript, although they may

still be responsible for payment of fees. Drops that occur after 30% of the course and on or before 75% of a course will result in a W symbol being entered. Students may be dropped for lack of attendance or “good cause” as defined in California Education Code, Article 3, Section 76033.

Students should not rely on instructors to drop or withdraw them from classes. Failure to officially drop or withdraw by the deadline may result in an F (Failing) grade or FW (Unofficial Withdrawal) grade. Refer to the Add/Drop policy and Important Dates and Deadlines listed on the Admissions & Records Register page.

Student Learning Outcomes:

Upon completion of the course the student can:

1. Describe the structure and function of the components of a typical cell, and summarize cellular respiration, transport mechanisms, protein synthesis, and cell division.
2. Explain the major physiological principles of the systems studied and relate them to the maintenance of good health.
3. Describe how organisms interact with their environments, with an emphasis on the relationship that human have with their environment.

Required Supplies/Textbooks

- 1) Mader, S. and Windelspecht, M., *Inquiry Into Life*, 17th Edition, McGraw Hill Publishers. 2015
- 2) Computer with internet. Computer must be able to access various websites.

Instructions for this online class: **Lecture**

In this Online class we will be using Canvas.

You will use Canvas to take your weekly quizzes (you have one for every lecture chapter covered), lecture exams, discussions and any other assignment that may be assigned and graded.

You should watch the lecture videos on Canvas before you complete your lecture quiz as scheduled on Canvas, take notes (you can use your study guides/note takers) and prepare for your daily quizzes and ultimately your lecture exams.

****NO LATE OR MAKE-UP ASSIGNMENTS (EXAMS, QUIZZES, DISCUSSIONS, ETC) ACCEPTED. Instructor not responsible for Canvas, Canvas, internet, computer, electricity, electronic device or any other issues.****

What you need to Complete This Course Successfully

- You have to be self-motivated to complete all required work for this course.
- You are willing to learn new, and sometimes challenging material to the best of your ability.
- You will have access to dictionaries, computers, and other necessary items for papers and other out-of-class work.
- You can utilize pdf, rtf and other formats for content materials and submitting certain required materials for the course.
- You are willing to collaborate with your peers and the instructor to make the class the best it can be.

All of these items are up to you!

Class Code of Conduct / “Netiquette”:

This is a college course, comparable in scope and expectation to the same content you would find on the university level (this is why this course transfers). The instructor expects students enrolled in this online course to behave in a mature, professional manner in the classroom. By enrolling in this course, students have implicitly agreed to respect their peers and instructor in the online “classroom” during class discussions, lectures, and all in-class assignments. As outlined in this syllabus, students recognize that they are expected to participate in the activities and assignments prepared by the instructor to assist them in completing this course successfully.

Disruptive behavior includes and is not limited to the following:

- Online spamming, disrespectful behavior in discussion boards or on e-mail.
- Demeaning or destructive peer comments on discussion boards or e-mail regarding posts or other work in class.
- Any communication or action the instructor determines is harmful to the ‘classroom’ environment.

Finally:

- YOU are the student in this college class. If you are under 18 (or even over 18) or are considered a dependent to your parents or guardian, it is still YOUR responsibility to deal with the class and any issues that may arise. DO NOT ask your parents, guardians, spouse, significant other, etc., to make appointments for you or to discuss your grade, or to make everything ‘okay’ for you
- Students who are deemed disruptive or dangerous will be removed from the class as per VVC guidelines; please consult your Student Handbook for more information; this handbook can be found at http://www.vvc.edu/Student_Handbook_2009.pdf. You can also find other relevant information on this issue in the following Administrative Procedure (5520) at the VVC website: [http://www.vvc.edu/offices/Board_of_Trustees/Board_Policy_Manual/AP%205520\(a\).pdf](http://www.vvc.edu/offices/Board_of_Trustees/Board_Policy_Manual/AP%205520(a).pdf)

- Students who have special needs or concerns (health, employment, etc) related to participation in course must discuss these issues with the instructor in a private manner before said issues affect the student's grade in the course: the sooner the problem is identified, the sooner a solution can be reached! The instructor is willing to work with students in these areas, unless accommodating individual needs violates academic integrity or fairness to other students

Attendance Policy, Adding the Course, Dropping the Course:

“Class attendance is not a measure of performance or proficiency. Whether a student is just physically present in the class is not a valid basis for grading. Reference Title 5 Section 55002 of the California Code of Regulations: (A) Grading Policy. The course provides for measurement of student performance in terms of stated course objectives and culminates in a formal, permanently recorded grade based upon uniform standards in accordance with section 55758 of this Division. The grade is based on demonstrated proficiency in the subject matter and the ability to demonstrate that proficiency, at least in part, by means of written expression that may include essays, or, in courses where the curriculum committee deems them to be appropriate, by problem solving exercises or skills demonstrations by students. “(Educational Code)

And, further,

Students may be dropped for lack of attendance or for ‘good cause’ as defined in the Education Code, Article 3, Sect. 76033.”

What does this mean? You are not graded on “attendance” in this online course. Students who do not complete the first assignment will be dropped. Students who do not actively participate (fail to do any two assignments) in this online course will be dropped up to the final drop date. For more information on ‘active engagement’, see the definition below.

If you decide not to continue in the course after the first assignment, it is your responsibility to make sure your name is removed from the class. Should your name remain on WebAdvisor at the end of the semester, I must assign you a grade for the course. As the Office of Admissions and Records states in the VVC class schedule: “It is the student’s responsibility to complete the drop and/or add forms and to ensure that the drop or add has been correctly processed. Instructor’s permission is not required to drop a class or withdraw from college. **DO NOT RELY ON AN INSTRUCTOR TO DROP YOU.**”

Definition of Distance Education ‘No Show’ Students:

DE Students will be dropped as ‘no shows’ if their online activity before the census date consists of solely logging into the online course platform without actively engaging in academic related activities. Failing to completing two (2) daily online quizzes or missing any exam will result is student being dropped from this course.

Definition of 'Last Day of Attendance' (LDA) for excessive absences of online students: Faculty policy regarding dropping students for excessive absences in an online course should be based on the last recorded academic activity of the student after (such as one full week of non-engagement by the student). Per an individual instructor's syllabus and course materials, students should be informed of the instructor's guidelines on withdrawal from an online course and the necessity of actively engaging in academic activity. Students should be informed that 'active engagement' is not simply accessing the online course platform but entails evidence of participation in online assignments as well as regular and substantive interaction between students and faculty.

Assignments/ Assessments/Course Requirements to Demonstrate Proficiency:

Please note that there are no makeup assignments/ assessments or extensions for assessments – all assignments/ assessments are due on the dates stated in the Canvas 'Discussions', 'Assessments', Grade Center and the 'Course Calendar', as well as in the weekly course outline grid in this syllabus. All assignments/ assessments are due by the end of class!

Explanation of Graded Assignments:

****NO LATE OR MAKE-UP ASSIGNMENTS (EXAMS, QUIZZES, DISCUSSIONS, ETC) ACCEPTED. Instructor not responsible for Canvas, Canvas, internet, computer, electricity, electronic device or any other issues.****

Lecture Examinations: Exams will cover lecture material noted on the course schedule. Lecture exams cannot be made up under any circumstances. Instructor not responsible for computer/internet/canvas issues or problems. Lecture exams will cover the understanding of the lecture material. You will have 50 minutes to answer 50 questions once you open your exam. Your lecture exam will be available for one week for you to take any time from Monday 12:00am – Sunday 11:59pm on the days/week scheduled on our schedule below.

Lecture Quizzes: Quizzes are administered each day of class on CANVAS. Make up quizzes will not be allowed under any circumstances. Instructor not responsible for computer/internet/canvas issues or problems. Quizzes test material covered in lecture. You will have 5 minutes to complete the 5 questions on the quiz. Your quiz will be available for one week from Monday 12:00am - Sunday 11:59pm on the day/week scheduled.

Discussions: 5 discussions will be administered in which you must participate for points. Dates are on Canvas.

Final Lecture Grading: Your course grade will be based on the number of points you earn on the examinations, course assignments, quizzes, as well as your serious participation in the lectures and laboratories. Letter grades will be assigned on a straight percentage of total points earned. Cheating, plagiarism, or falsification on any assignments, quizzes, exams will not be tolerated.

Lecture Quizzes	21 x 10 pts. each	= 210 points
Lecture Exams	4 x 100 pts. each	= 400 points
Lecture Discussions	5 x 10 points each	= 50 points
Total Lecture Points Possible:		= 660 points

Laboratory Points: Dr. Kaiser will offer this breakdown.

The FINE PRINT Page:

I reserve the right to modify the syllabus at any time. It is the student's responsibility to be aware of all changes made to the syllabus.

Lecture Schedule

A tentative lecture schedule with approximate dates for lecture topics and examinations is included in this syllabus. Materials may be covered at a faster or slower pace, depending upon the circumstances. It is the responsibility of the student to note any and all changes.

*All syllabi content including dates are subject to change at instructors' convenience.

CONTINUED ENROLLMENT IMPLIES ACCEPTANCE OF POLICIES AND GUIDELINES HEREIN.

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Tentative Lecture Schedule

Date or Week of...	Lecture Topics	Chapter
September 22	The Study of Life	1
September 29	The Molecules of Cells	2
September 29	Cell Structure and Function	3
October 6	Membrane Structure and Function	4
October 6	Cell Division	5
October 13	Cellular Respiration	6/7

October 13 Exam 1 (Chps. 1-5 6 & 7)

October 20	Photosynthesis	8
October 20	Patterns of Gene Inheritance	23
October 20	DNA Structure and Function	25
October 27	Human Organization	11
October 27	Musculoskeletal	19
November 3	Nervous System	17

November 3	Exam 2
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November 10	Senses	18
November 10	Endocrine System	20
November 17	Cardiovascular System	12
November 17	Lymphatic and Immune System	13
November 24	Respiratory System	15

November 24	Exam 3
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November 24	Digestive System and Nutrition	14
December 1	Urinary System and Excretion	16
December 1	Reproductive System	21
December 13	Microbiology	28
December 13	Protists and Fungi	29

December 13	Final Exam
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