

# VALENCIA COLLEGE

## **BSC 1010C 25397 General Biology I Spring 2024 Credit Courses**

### Professor Information

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Yasser Saad

**Email:** ysaad1@valenciacollege.edu

**Phone:** (407) 582-5516

**Office Location:** WC AHS-216

**Student Engagement Hours:** Office Hours (AHS216): M- 6:30 AM - 7:00 AM; M- 12:45 PM - 2:00 PM; T- 6:30 AM - 7:00 AM; T-2:00 PM - 3:45 PM; W- 6:30 AM - 7:00 AM; W-12:45 PM - 2:00 PM; Th- 6:30 AM - 7:00 AM; Th- 2:00 PM - 3:45 PM; F-Through Zoom and by appointment (9 AM - 1 PM)

### Course Information

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**Credit Hours:** 4

**Course Prerequisites:** REA0002, REA0002C

**Class Meeting Times:** Mon 07:00 AM - 09:45 AM WC-AHS213

Wed 07:00 AM - 09:45 AM WC-AHS316

**Course Description:** GENERAL BIOLOGY I Prerequisite: Satisfactory completion of all mandated courses in reading, mathematics, English, and English for Academic Purposes. Introduction to fundamental biological principles emphasizing common attributes of all living organisms. Unifying concepts include the chemical structure of living matter, structure and function of the cell, cell types, major metabolic functions, control systems, reproduction, genetics, evolution, and ecology. Prerequisite for advanced biology courses. Students should be prepared to complete college-level reading, writing, and mathematics assignments as part of this course. This course meets one of the General Education science requirements for graduation. (Special Fee \$59.00)

### Course Outcomes

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Students will apply scientific reasoning to solve problems. Students will explain Darwinian evolution. Students will describe the chemical basis of life. Students will describe cellular structures and functions. Students will examine the structures and functions of cell membranes. Students will explain the processes of energy transformation as they relate to cellular metabolism. Students will evaluate the effects of cellular reproduction. Students will examine eukaryotic inheritance. Students will describe the molecular mechanism of gene expression and DNA replication.

## Required Materials

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Campbell Biology Vol 1 Text/Mastering

**ISBN:** 9780137351916

**Publisher:** Pearson

General Biology Lab Manual 22'

**ISBN:** 9781533939302

**Publisher:** MPS/MacMillan

**Edition:** 6th

Modified Mastering Biology with eText Stand Alone Access Card for Campbell Biology for [VALENCIA COLLEGE]

**ISBN:** 9780137351824

**Publisher:** PearsonDIGITAL

**Edition:** 1

## Assessments

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**-Lecture-** There will be a total of 4 lecture chapter exams and 1 final CUMULATIVE lecture exam. The number of questions per exam can vary. The exam will mainly be multiple-choice, but other types of questions are also possible (ex. fill in blank, matching, questions that ask you to explain or describe, etc.). All students will have to complete the exam on the day assigned for the exam. Make-up exams will not be provided.

The lecture component of the class will also consist of LECTURE CHAPTER QUIZZES and MASTERING BIOLOGY MODULE ASSIGNMENTS.

**-Lab-** You MUST be in the lab for the ENTIRE time to perform the lab and to get credit for the lab. You will have two graded lab exams and your attendance/lab participation will also be graded.

### Grade Scale:

-Final grade will be determined as a percentage that combines both the lecture and lab components.

### Lecture Component (70% of Total Grade):

\*Lecture Chapter Exams: 40% of Total Grade (lowest exam grade from exams 1, 2, 3, 4, and 5 will be dropped)

- Lecture Exam #1 (Chapters 1, 2, 3, 4)
- Lecture Exam #2 (Chapters 5, 6, 7)
- Lecture Exam #3 (Chapters 8, 9, 10)
- Lecture Exam #4 (Chapters 12, 13, 14, 15)

-Lecture Exam #5 (Chapters 16, 17)

\*Lecture Final Exam (Chapters 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, and 17): 12% of Total Grade and the final exam grade will NOT be dropped.

\*Mastering Biology Assignments: 6.0% of Your Overall Grade

\*Lecture Quizzes: 12.0% of Overall Grade (I will drop the lowest three lecture quiz grades)

### **Lab Component (30% of Total Grade):**

\*Lab Exam #1: 12.5% of Overall Grade

\*Lab Exam #2: 12.5% of Overall Grade

\*Lab Attendance/Participation: 5% of Overall Grade

### **Final Grading Scale**

90.0-100%=A

80.0-89.99%=B

70.0-79.99%=C

60.0-69.99%=D

Below 59.99%=F

Any extra credit opportunity provided will be part of a 2.5% extra credit pool. **All extra credit opportunities are graded and have to be handed in no later than their due date.** Late extra credit assignments will not be accepted regardless of excuse. The extra credit will be calculated as follows: **(Points Attained / Points Offered)\*2.5%**. The extra credit will not be added to your grade until the end of the semester just prior to reporting your final grade. Be aware that your maximum extra credit will be deducted based on the number of days you are absent from the lecture/lab meetings. If a student does not attend a lecture or lab session, the maximum extra credit will be deducted by 0.5% for each absence. The student will not be awarded any extra credit after missing a total of 5 class/lab sessions.

-Grades will not be given out over the phone, or by email, by the instructor or the Department secretaries. Grades will be made available to students as soon as possible after the exam in a manner that preserves student privacy.

## **Attendance**

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You are expected to attend all class meetings of all courses for which you are registered. Regular attendance and regular class participation are significant factors that promote success in college.

For online courses, attendance is determined by consistently logging in and accessing the course content and completing courses in accordance with the course schedule.

In the event of absence from a classroom course or the inability to participate in an online or mixed-mode course, you should contact your professor as soon as possible to indicate the reason and to inquire whether make-up work is possible. Make-up work is offered solely at the discretion of your professor.

## Academic Honesty

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All forms of academic dishonesty are prohibited at Valencia College. Academic dishonesty includes, but is not limited to, acts or attempted acts of plagiarism, cheating, furnishing false information, forgery, alteration or misuse of documents, misconduct during a testing situation, facilitating academic dishonesty, and misuse of identification with intent to defraud or deceive.

If a faculty member concludes a student in their class has violated this policy, the faculty member can choose to assign academic penalties that include, without limitation, one or more of the following: loss of credit for the assessment (assignment, examination, project, paper, etc.); a reduction in the course final grade; a grade of "F" as the final grade in the course. The faculty member may also refer the violation for action in accordance with Policy 6Hx28:8-03, Student Code of Conduct.

## Student Code of Conduct

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Valencia is dedicated not only to the advancement of knowledge and learning but also to the development of responsible personal and social conduct. As a registered student, you assume the responsibility for conducting yourself in a manner that contributes positively to Valencia's learning community and does not impair, interfere with, or obstruct the orderly conduct, processes, and functions of the college as described in the [Student Code of Conduct](#).

## Disclaimer Statement

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Changes to this syllabus, schedule, and/or policy may be made at any time during the course per instructor discretion. These changes will be reasonable and made in the best interest of student learning. Students will be notified of any changes either in class, through Announcements, and/or via the Canvas Inbox conversations tool. Students with any concerns about any changes should discuss it with the instructor as soon as possible.