



BSC 1010C 15838

General Biology I

Fall 2023 Credit Courses

Professor Information

Lynn Sims

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Student Engagement Hours: Valencia College students can expect to have timely access to faculty outside of class. Refer to your course Canvas space or other supplemental course information for details on your professor's preferred means and times of communication.

Course Information

Credit Hours: 4

Course Prerequisites: REA0002, REA0002C

Class Meeting Times: Mon 11:30 AM - 02:15 PM WC-AHS318
Wed 11:30 AM - 02:15 PM WC-HSB107

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

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

Campbell Biology Vol 1 Text/Mastering

ISBN: 9780137351916

Publisher: Pearson

General Biology Lab Manual

ISBN: 9781533945884

Authors: Lindbeck, Saad, and Mathews

Publisher: Haden-McNeil

Publication Date: 2023

Edition: 7th

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

ISBN: 9780137351824

Publisher: PearsonDIGITAL

Edition: 1

Lab Coat

Assessments

Assessments in this course include Mastering Biology assignments, lab manual exercises, 4 unit exams (containing discussion and lab content), and a comprehensive final exam. The assignment distribution is shown below:

- 50% 4 Onsite Exams + Comprehensive Final exam (100 points each)
- 10% 2 Onsite Lab Exams (Midterm and Comprehensive Final) (50 points each)
- 10% Pearson Mastering Virtual Homework with Follow-ups
- 10% Pearson Mastering Virtual Reading Questions & Resources for Labs
- 10% 10 (of 12) Lab Manual (onsite completion and submission)
- 5% 10 (of 14) Onsite Lab safety checks and active participation (5 points each)
- 5% 10 (of 14) Onsite Active Participation checks (5 points each)

Grading Scale

89.45% - 100.0% = A

79.45% - 89.44% = B

69.45% - 79.44% = C

59.45% - 69.44% = D

0.00% - 59.44% = F

Attendance

*****This course meets 2 Days per week. Monday Lab (AHS 318) and Wednesday Discussion (HSB 107) from 11:30 am-2:15 pm.**

It is imperative that you attend all class meetings for this course. Regular attendance and regular class participation are significant factors that promote success in college. For this course, attendance is monitored by in-lab safety checks on Mondays, and engagement during class discussions on Wednesdays.

In the event of absence from a classroom course or the inability to participate during any lab or discussion of this course, you should contact me as soon as possible to indicate the reason and to inquire whether a make-up exam, if applicable, is possible. Missed lab or discussion days cannot be made up.

Academic Honesty

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

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

Changes to this syllabus, schedule, and/or policy may be made at any time during the course per instructors' 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.

More details regarding the schedule and course policies can be found in the orientation module of the specific Canvas space for the course and semester in

which you are registered. You are expected to follow all course policies listed in the Canvas space.