

VAL

**BSC 1010C 15869
General Biology I
Fall 2023 Credit Courses**

Professor Information

Thomas Ravenscroft

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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: Thu 02:30 PM - 05:15 PM WC-AHS318
Tue 02:30 PM - 05:15 PM WC-AHS213

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 Volume 1 Text/Mastering

ISBN: 9780137351916

Authors: Lisa A. Urry, Michael L. Cain, Steven Alexander Wasserman, Peter V. Minorsky, Rebecca B. Orr

Publisher: MPS/MacMillan

Publication Date: 2020-01-01

Edition: 6th

Required/Recommended: REQUIRED-Modified Mastering Biology with eText Stand Alone Access Card for Campbell Biology for Valencia College

Assessments

Chapter Exams-5-chapter exams worth approximately 50 points each. 1 final cumulative chapter exam worth approximately 100 points. Most exams will be multiple choice. No make-up exams. (15% of final grade)

Chapter Quizzes-10-chapter concept quizzes worth approximately 10 points each. (30% of final grade)

End of Chapter Review Quizzes-15-end of chapter review quizzes worth approximately 10 points each. (5% of final grade)

Lab Concept Check Quizzes-11-lab concept check quizzes worth approximately 10 points each. (23% of final grade)

Lab Practical's-2-lab practical's worth approximately 50 points each. (5% of final grade)

MyLab & Mastering Biology Assignments-16-assignments worth approximately 10 points each. (5% of final grade)

Active Learning Assignments-10-active learning assignments worth approximately 10 points each. (5% of final grade)

Final Chapter Exam-1 final cumulative chapter exam worth approximately 100 points. Most exams will be multiple choice. No make-up exams. (10% of final grade)

Study Skills Assessment- (2% of final grade)

GRADES: The final grade you earn for the semester is the overall average of the grades from the above class assessments converted to a percentage. All points earned for the semester are divided by the points possible for the semester in deriving the percentage for your final grade. Throughout the semester your overall class semester average and individual grades for each quiz are available on Canvas My Courses under “grades.” Extra credit is earned for completing the “student assessment of instruction” S.F.I. in canvas, and the biology assessment in canvas. Extra Credit points can be earned for each of the projects completed.

A = 90-100%

B = 80-89%

C = 70-79%

D = 60-69%

F = Below 60%

Attendance

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

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 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.