



Biological Sciences

SOUTHEASTERN LOUISIANA UNIVERSITY

GBIO 151-General Biology I

Southeastern Louisiana University Dual Enrollment 2023-2024 Academic Year

Instructor of Record: Rosemary Becker Clark
Email: rosemary.becker@southeastern.edu
Phone: 985-549-5296

Course materials: <http://moodlede.southeastern.edu>
Rental Textbook: *Biology, 13th Edition. P. Raven, G. Johnson, K. Mason, J. Losos, and T. Duncan*

Prerequisite: Must be eligible to enroll in ENGL 101 and MATH 161 (see additional information above).

GBIO 151 is a hybrid course with all content delivered online through MoodleDE OR face-to-face by Southeastern faculty. The Southeastern instructor of record will develop course content and provide powerpoint notes, ungraded instructional assignments, ungraded quizzes that are similar to exams, and chapter outlines to help prepare students to complete the graded assignments and the exams which are also provided by the Southeastern instructor of record. The high school teachers will act as a facilitator and assist with student registration and enrollment, proctor exams as necessary, and through supplemental instruction, serve as a daily learning resource for students as they assimilate course content. The students' final course grades are assigned by the instructor of record.

Connect (by McGraw-Hill) is the companion site to our textbook

The Southeastern Instructor of Record will provide lectures, outlines, and worksheets that act as study guides through MoodleDE. Through Connect students will have access to assignments and chapter checkouts, which count toward the course grade, as well as additional study material and practice activities.

Student Learning Outcomes: After the completion of this course, students will be able to:

- Describe characteristics of living things and core concepts in Biology.
- Describe elements, atoms, chemical bonds, and molecules important to life;
- Identify structures and functions of prokaryotic and eukaryotic cells;
- Describe the make-up of the cell membrane and how various molecules may cross it;
- Discuss the flow of energy and electrons in two major metabolic pathways: cellular respiration and photosynthesis;
- Describe the cell cycle and compare mitosis and meiosis;
- Relate meiosis and sexual reproduction to genes, chromosomes, inheritance, and human genetics;
- Describe DNA structure and its replication;
- Discuss steps of transcription, translation, and the regulation of gene expression;
- Describe and apply various DNA technologies.

Exams: There will be five 100-point exams including a final exam. Only the four highest exam grades will be used to calculate your final grade. The first four exams will cover material from the each unit of the course. The final exam is comprehensive and will cover the entire course. Exams will be administered via MoodleDE and grades will be posted on MoodleDE. There will be 400 total points from exams.

Assignments and Chapter Checkouts: Assignments worth up to 10 points will be given at the instructor of record's discretion. Assignments are designed to test your understanding of material that has been presented. There is a Chapter Checkout for every chapter. You are required to complete these by the date of the respective exam. Assignments and Chapter Checkouts are available in Mastering via MoodleDE. There are approximately 190 points in Assignments.

Grade scale: [90-100% = A] [80-89% = B] [70-79% = C] [60-69% = D] [< 60% = F]

Grades will be posted on MoodleDE at the completion of the unit. The Instructor of record will report final grades in LeoNet.

Make-ups: There will be no individual make-up exams given to students without a valid excuse. Students that possess a valid medical excuse or school excuse may be allowed to take a make-up exam (alternative assessment methods maybe used at my discretion). **Make-ups will only be allowed within 1 week of the excused absence.** There will be **no make-ups for in class work** and no extensions for outside class assignments without valid excuses or prior consent of the instructor. (You get to drop your lowest exam).

Academic Dishonesty: Schools agree that the first incident of academic dishonesty in any course by any student in any manner will result in a grade of 0 on the assessment in question. The second incident will result in the student's failing the Southeastern portion of the course. Southeastern's Academic Dishonesty Policy:

Students are expected to maintain the highest standards of academic integrity. Behavior that violates these standards is not acceptable. Examples are the use of unauthorized material, communication with fellow students during an examination, attempting to benefit from the work of another student and similar behavior that defeats the intent of an examination or other class work. Cheating on examinations, plagiarism, improper acknowledgement of sources in essays, and the use of a single essay or paper in more than one course without permission are considered very serious offenses and shall be grounds for disciplinary action as outlined in the current General Catalogue of Southeastern Louisiana University

http://www.southeastern.edu/resources/policies/policy_detail/acad_integrity.html

Attendance: Students should refer to the University policy on attendance as stated in the current SLU catalogue. Attendance will be taken at the beginning of each class. If you cannot attend lectures regularly, you should consider dropping the class. **It is your responsibility to complete and file drop forms with you high school course coordinator if you wish to withdraw from the class. The last day to withdraw from the class for Fall semester classes is Friday, October 27th, 2023 and for Year-long and Spring semester classes is March 28, 2024.**

Grade Appeals: Should a student have a concern about a final grade posted for a dual enrollment course, the Grade Appeals policy should be followed below. Please note that a student has 30 days to make a written appeal to the Southeastern Instructor of Record:

After a final course grade is recorded in the Records and Registration Office, a change of grade must be approved in sequence by the instructor of record, the instructor's department head, and the academic dean of the College of Science and Technology. In the event of a contested final course grade, a student's written appeal of the grade must be submitted to the instructor within **thirty (30)** calendar days of final grades for the term being due. The grade appeal should also be submitted to Dr. Jeffrey Temple, Assistant Vice President for Academic Programs. For more information about grade appeals, see

http://www.southeastern.edu/resources/policies/policy_detail/instruction_practices.html

Material to be covered on exams given through MoodleDE:

Exam I Material:

- Chapter 1: The Science of Biology
- Chapter 2: The Nature of Molecules and the Properties of Water
- Chapter 3: The Chemical Building Blocks of Life
- Chapter 4: Cell Structure

Exam II Material:

- Chapter 5: Membranes
- Chapter 6: Energy and Metabolism
- Chapter 7: How Cells Harvest Energy
- Chapter 8: Photosynthesis

Exam III Material:

- Chapter 10: How Cells Divide
- Chapter 11: Sexual Reproduction and Meiosis
- Chapter 12: Patterns of Inheritance
- Chapter 13: The Chromosomal Basis of Inheritance, and Human Genetics

Exam IV Material:

- Chapter 14: DNA: The Genetic Basis of Inheritance
- Chapter 15: Genes and How They Work
- Chapter 16: Control of Gene Expression
- Chapter 17: Biotechnology

Final Exam Material:

- Chapters 1-8, 10-18

Important dates for the semester:

http://www.southeastern.edu/future_students/dual_enrollment/calendar/index.html

	Fall Only 2023	Year Long 2023-2024	Spring Only 2024
Last day to enroll	August 18	August 18	January 19
First day of class	August 16	August 16	January 16
Last day to DROP	August 25	August 25	January 26
Last day to confirm rosters	September 1	September 1	February 2
Exam 1	September 8	October 6	February 9
Exam 2	October 6	December 8	March 8
Last day to Withdraw	October 27	March 28	March 28
Exam 3	November 3	March 8	April 5
Exam 4	December 1	May 3	May 3
Final Exam	December 8	May 10	May 10