BIOL 2601L - General Biology I: Molecules and Cells Laboratory

Fall 2026 Syllabus, Section 10, CRN 40017,

Credit hours: 1

Public Instructor Information

Instructor Title:
Instructor Professional Qualifications:
Instructor Office Location:
Instructor Office Phone:

Course Description

2601L. General Biology I: Molecules and Cells Laboratory. The chemical and physical foundations of life, including scientific communication, cell biology, metabolism, basic molecular biology and diversity. Two hours of lab each week. Coreq.: BIOL 2601. Prereq. or Coreq.: CHEM 1515. 1 s.h.

Course Readings

Group	Title	Author	ISBN
	General Biology 2601-2602 Lab Manual	Asch, Diggins and Renee	9781792444432

https://he.kendallhunt.com/Asch

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Thu	8/27	No lab Module 1 – Scientific Communication Introduction Syllabus Introduction		
Thu	9/3	Module 1 – Scientific Communication The Scientific Method Introduction to Keeping a Laboratory Notebook Reaction Time Experiment		
Thu	9/10	Writing Laboratory Reports Reaction time cont. Statistical Analyses Creating Figures, Graphs, and Tables Reaction Time Experiment – Part II		
Thu	9/17	Module 2 – Cell Biology Osmosis I Laboratory Notebook Due for Module 1		
Thu	9/24	Module 2 – Cell Biology Osmosis II		
Thu	10/1	Module 2 – Cell Biology Fermentation I Laboratory Report on Osmosis Due		
Thu	10/8	Module 2 – Cell Biology Fermentation II		
Thu	10/15	Laboratory Examination 1 Laboratory Notebook Due for Module 2		
Thu	10/22	Module 3 – Evolution and Diversity Gel Electrophoresis		
Thu	10/29	Module 3 – Evolution and Diversity Population Genetics: Hardy-Weinberg Equilibrium		

Thu	11/5	Module 3 – Evolution and Diversity Bacteria Laboratory Report on Gel Electrophoresis Due
Thu	11/12	Module 3 – Evolution and Diversity Data collection from Bacteria
Thu	11/19	Review for Lab exam 2
Thu	11/26	Laboratory Examination 2 Laboratory Notebook Due for Module 3
Thu	12/3	Finals Week, No Lab

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.