

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

Fall 2026 Syllabus, Section 01, CRN 40013,

Credit hours: 1

Instructor

Hamid Nawaz

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Public Instructor Information

Fall Semester 2026: 8/24/2026 – 12/12/2026

Lab Meeting Time: Tuesday 9:00-10:50 am

Location: Ward Beecher; Room #3028

CRN: 40013

Credits: 1

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
Tue	8/25	No lab		
Tue	9/1	Module 1 – Scientific Communication Introduction Syllabus Introduction		
Tue	9/8	Module 1 – Scientific Communication The Scientific Method Introduction to Keeping a Laboratory Notebook Reaction Time Experiment		
Tue	9/15	Writing Laboratory Reports Reaction time cont. Statistical Analyses Creating Figures, Graphs, and Tables Reaction Time Experiment – Part II		
Tue	9/22	Module 2 – Cell Biology Osmosis I Laboratory Notebook Due for Module 1		
Tue	9/29	Module 2 – Cell Biology Osmosis II		
Tue	10/6	Module 2 – Cell Biology Fermentation I Laboratory Report on Osmosis Due		



Tue	10/13	Module 2 – Cell Biology Fermentation II
Tue	10/20	Laboratory Examination 1 Laboratory Notebook Due for Module 2
Tue	10/27	Module 3 – Evolution and Diversity Gel Electrophoresis
Tue	11/3	Module 3 – Evolution and Diversity Population Genetics: Hardy-Weinberg Equilibrium
Tue	11/10	Module 3 – Evolution and Diversity Bacteria Laboratory Report on Gel Electrophoresis Due
Tue	11/17	Module 3 – Evolution and Diversity Data collection from Bacteria
Tue	11/24	Review for Lab exam 2
Tue	12/1	Laboratory Examination 2 Laboratory Notebook Due for Module 3
Tue	12/8	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.