BIOL 2601 - General Biology 1: Molecules and Cells

Summer 2026 Syllabus, Section 01, CRN 30003,

Credit hours: 3

Instructor

Xiangjia Jack Min

Professional Qualifications:
Ph. D., Plant Science, University of Hawaii
Master's, Software Systems, University of British Columbia
Master's, Plant Science, China Agricultural University
Bachelor's, Plant Science, Qingdao Agricultural University

Professor

Email: xmin@ysu.edu

Office: Ward Beecher 3014

Office Phone: 330-941-1945

Preferred Contact Method: Email is preferred for communications

Communication Expectations:
Typically respond to email within 24 hours.

How to Refer to me:
Dr. Min

Course Description

2601. General Biology 1: Molecules and Cells. The chemical and physical foundations of life, structure and function of cells and organelles, metabolism, basic molecular biology and inheritance, and principles of evolution. Three hours of lecture per week. Coreq.: BIOL 2601L. Prereq. or Coreq.: CHEM 1515. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Brooker et al. Biology. 6th edition		

E-book will be linked to the publisher through Blackboard

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

BIOL2601 Summer I schedule

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Mon	5/11	Ch 1	Introduction	
Wed	5/13	Ch 2	Atoms and Molecules	
Fri	5/15	Ch 3	Organic Mol	
Mon	5/18	Ch 4, 5	Cell; Membrane	
Wed	5/20	Ch 6, 7	Energy & Enzyme; Respiration	
Fri	5/22	Ch 8	Photosynthesis	
Mon	5/25	Legal holiday, No class		
Wed	5/27	Test 1 (Ch 1 -8); Ch 11	Nucl Acids	

Fri	5/29	Ch 12	Gene Expression
Mon	6/1	Ch 14	Mutation
Wed	6/3	Ch 16	Cell Cycle
Fri	6/5	Ch 17	Inheritance
Mon	6/8	Ch 19	Bacteria Genetics
Wed	6/10	Ch 21	Gene Technology
Fri	6/12	Ch 21	Gene Technology (continued)
Mon	6/15	Test 2 (11 - 21); Ch 22	Evolution
Wed	6/17	Ch 23	Population Genetics
Fri	6/19	No Class	
Mon	6/22	Ch 24	Origin Species
Wed	6/24	Ch 25	Taxonomy
Fri	6/26	Test 3 (Ch 22 -25)	

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.