

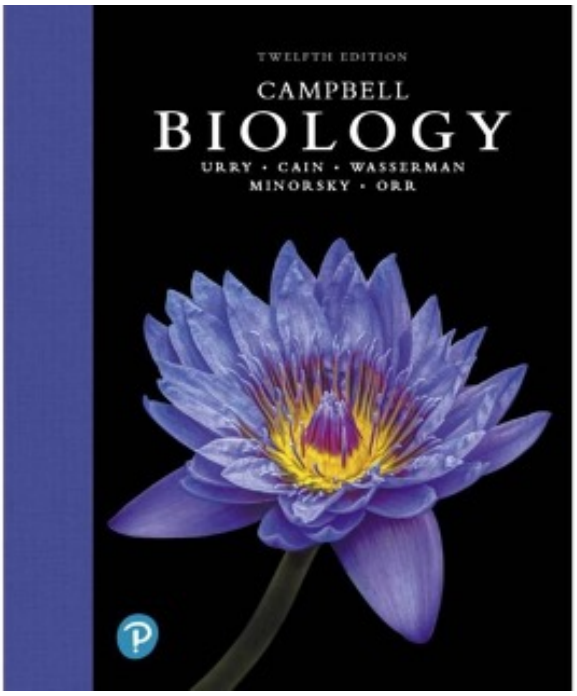
Cover Page / Table of Contents

Principles of Biology I
Summer 2025

Syllabus Content	Page
Course Materials & Description	2
Instructor Contact List	3
Lecture Schedule	4
Lab Calendar	5
Recitation Schedule	6
Grading Structure	7
Course and Institution Policies	8

Syllabus content titles above links that will bring you to your page of interest. Each subsequent page contains an icon at the bottom right to bring you back to the cover page.

Course Materials



- Campbell Biology textbook
  - Suggested version: 12th edition Access card – 9780135987988 (alternative versions are acceptable as long as they cover the same content)
- BIOL 100: Principles of Biology I Laboratory Manual -Hunter College (CUNY)
- The digital manual is available for purchase through Vital Source. https://www.vitalsource.com/. Once at the website, search for the BIOL 100 manual with the 13 -number ISBN: **978-1-5339-5543-2**
- Primary Instructional technologies: Brightspace, Voicethread and Gradescope. You will receive an email notification once you have been added to Gradescope.

Course Description

Prerequisites

- MATH 125 and CHEM 102 or equivalent

Course organization

- Lectures are **asynchronous and online**. Asynchronous means that the lectures will not be held live during lecture time. The lectures will be provided as VoiceThread videos that will be accessible at the start of each lecture week(**Thursdays**). Please review the course content on Brightspace regarding how to engage VoiceThread material (found in course navigation).
- Lecture exams are **in person.** This means that all lecture-based exams must be completed during the lecture time during the specific date and time provided in the syllabus.
- Recitations are **in person**. Please consult your specific recitation instructor for any information related to their lab assessments
- Labs are **in person.** Please consult your specific lab instructor for any information related to their lab assessments

Learning Outcomes

1. Students will employ the scientific method to identify problems or questions, develop hypotheses, design experiments to test hypotheses, and reach conclusion
2. Students will apply knowledge of molecular biology, DNA and protein metabolism to the understanding of broad classes of pathologies
3. Students will read and assess relevant biological literature and write short responses about the experimental work, conclusions and significance of the readings.
4. Students will engage with the material and be active participants in the classroom/ community

Instructor Contact List

Name	Role	Section(s)	Email
S. Sheppard-Lahiji	Course Lecturer	All sections	sheppard@genectr.hunter.cuny.edu
Tamar Gurgenidze	Recitation Instructor	All sections	TAMAR.GURGENIDZE00@myhunter.cuny.edu
Jim Kominski	Lab Instructor	1L01	kominski@genectr.hunter.cuny.edu
Jyoti Pant	Lab Instructor	1L02	jyoti533@gmail.com
Armin Lahiji	Lab Instructor	1L03	lahiji@genectr.hunter.cuny.edu
Evan Lee	Lab Coordinator/Instructor	1L05	lee@genectr.hunter.cuny.edu
Roland Fleming	Lab Instructor	1L06	rfleming@genectr.hunter.cuny.edu
Marek Pierzchala	Lab Instructor	1L07, 1L09	mpierzch@hunter.cuny.edu
Tongtong Gu	Lab Instructor	1L10	TONGTONG.GU38@myhunter.cuny.edu

Lecture Schedule Summer 2025

Lecture content will be made available on Thursdays

Weeks	Readings	Assessments & Learning Activities	Assessment Dates and Locations
Week 1 05/29	**Chapters 2 & 3**		
Week 2 06/05	**Chapters 4 & 5**		
Week 3 06/12	**Chapters 6 & 7**		
Week 4 06/19	**No Lecture or Assessment**		
Week 5 06/26	**Chapters 8 & 9**	**Lecture Exam 1 Chapters 2-7**	**Thursday, 06/26 12:00 - 1:15 PM EST 615 HW**
Week 6 07/03	**Chapters 12 & 13**		
Week 7 07/10	**Chapters 14 & 15**		
Week 8 07/17	**Chapter 16**	**Lecture Exam 2 Chapters 8 & 9**	**Thursday, 07/17 12:00 - 1:15 PM EST 615 HW**
Week 9 07/24	**Chapter 17 (includes concept from Chapter 18)**		
Week 10 07/31			
Week 11 08/07		**Lecture Exam 3 Chapters 12-17**	**Thursday, 08/07 12:00 - 1:15 PM EST 615 HW**
Week 12 08/14			

Some weeks may have additional readings and articles that will be provided via Brightspace. A single missed lecture exam can be completed through an alternative exam in the Fall 2025 semester. Students who use this option will be given an incomplete. **Resolution of the incomplete may impact BIOL 102 enrollment eligibility for Fall 2025.**

Summer 2025 Lab Calendar - Biology 100

	Monday	Tuesday	Wednesday	Thursday
Jun		May 27 (First Day of Labs) Microscopy & The Cell	May 28 Microscopy & The Cell	May 29 Microscopy & The Cell
	2 Microscopy & The Cell	3 Properties of Diffusion & Osmosis	4 Properties of Diffusion & Osmosis	5 Properties of Diffusion & Osmosis
	9 Properties of Diffusion & Osmosis	10 DNA Isolation from Wheat Germ & Cheek Cells *(note:15pt quiz)*	11 DNA Isolation from Wheat Germ & Cheek Cells *(note:15pt quiz)*	12 DNA Isolation from Wheat Germ & Cheek Cells *(note:15pt quiz)*
	16 DNA Isolation from Wheat Germ & Cheek Cells *(note:15pt quiz)*	17 Fingerprinting #1 Introduction **(Lab Midterm)**	18 Fingerprinting #1 Introduction **(Lab Midterm)**	19 **College Closed**
	23 Fingerprinting #1 Introduction **(Lab Midterm)**	24 **No Lab**	25 **No Lab**	26 Fingerprinting #1 Introduction **(Lab Midterm)**
Jul	30 Fingerprinting #2: Electrophoresis & Analysis	1 Fingerprinting #2: Electrophoresis & Analysis	2 Fingerprinting #2: Electrophoresis & Analysis	3 Fingerprinting #2: Electrophoresis & Analysis
	7 Enzymes #1 *(note:15pt quiz)*	8 Enzymes #1 *(note:15pt quiz)*	9 Enzymes #1 *(note:15pt quiz)*	10 Enzymes #1 *(note:15pt quiz)*
	14 Enzymes #2 *(note:15pt quiz)*	15 Enzymes #2 *(note:15pt quiz)*	16 Enzymes #2 *(note:15pt quiz)*	17 Enzymes #2 *(note:15pt quiz)*
	21 Mitosis & Meiosis	22 Mitosis & Meiosis	23 Mitosis & Meiosis	24 Mitosis & Meiosis
	28 pGLO #1: Transformation*(note:1 5pt quiz)*	29 pGLO #1: Transformation*(note:1 5pt quiz)*	30 pGLO #1: Transformation*(note:1 5pt quiz)*	31 pGLO #1: Transformation*(note:1 5pt quiz)*
Aug	4 pGLO #2: Analysis **(Lab Final)**	5 pGLO #2: Analysis **(Lab Final)**	6 pGLO #2: Analysis **(Lab Final)**	7 pGLO #2: Analysis **(Lab Final)**
	11 NO LAB	12 NO LAB	13 NO LAB	14 NO LAB

NO LABS *means there are NO LABS scheduled for that day, and this may not reflect other classes that meet that day.*

Summer 2025 Recitation Calendar - Biology 100

	Monday	Tuesday
May		
Jun	2. First Day of Recitation Exit Ticket 1	3 Exit Ticket 1
	9	10
	16 Exit Ticket 2	17 Exit Ticket 2
	23 Recitation Assessment 1	24 Recitation Assessment 1
Jul	30 Exit Ticket 3	1 Exit Ticket 3
	7	8
	14 Exit Ticket 4	15 Exit Ticket 4
	21	22
	28 Exit Ticket 5	29 Exit Ticket 5
Aug	4 Recitation Assessment 2	5 Recitation Assessment 2
	11 NO RECITATION	12 NO RECITATION

Grading structure

Lecture Exam 1	=	200 pts (100 pts MCQ 100 pts Short Response)
Lecture Exam 2	=	200 pts (100 pts MCQ 100 pts Short Response)
Lecture Exam 3	=	200 pts (100 pts MCQ 100 pts Short Response)
Recitation attendance/participation	=	50 pts (25 pts exit tickets, 25 pts attendance)
Recitation assessments (1 & 2)	=	50 pts each (total 100 pts)
Lab quizzes	=	100 pts
Lab attendance/participation	=	50 pts
Lab exams 1 & 2	=	50 pts each (total 100 pts)

LECTURE/RECITATION: **750 pts** There are three lecture exams testing distinct chapters within the VoiceThread/ Campbell book. **There is no cumulative component to the lecture exams.** Lecture exams will contain 25 multiple choice questions and 10 short response questions.

Recitation Exit Tickets These assessments will take place during recitation on the dates indicated within the recitation calendar. Question(s) will be provided at the end of recitation that must be submitted with your name and EMPLID to your recitation instructor Tamar. These will be collected and reviewed by Dr. Sheppard. Attendance will be taken every class.

Recitation assessments will be created by Dr. Sheppard and Tamar and will assess material covered during the lectures and recitations.

LAB: **250 pts**

10 lab quizzes (1 for every lab) worth 10 points each. Lab quizzes are given at the start of the lab with the exception of the first lab quiz. Lab quiz 1 will be given at the end of the lab. Students are given 10 minutes to take the quiz. There will be ten 5-point attendance and participation points associated with each lab. Students earn these 5 pts by participating throughout the entirety of the lab and staying through the end to answer the exit questions together as a class. Lab quizzes are generated by your individual lab instructor. 1 - 100 point lab exam will be taken in the lecture room on the last week of the semester. Questions will have been generated by various instructors and cover all labs.

Extra Credit: 35 pts

Extra credit quizzes will be earned through various tasks on Brightspace. Additional information will be provided as the semester progresses.

Please note: If you choose to skip more than 2 of your weekly recitation classes, you will forfeit all your attendance points. If you choose not to attend a lab, you will forfeit your quiz points for that week. Please do not miss your scheduled recitation and lab sessions.

Course and Institution Policies

Except for changes that substantially affect implementation of the grading method and scale, this syllabus is a guide for the course and is subject to change with advance notice. Any changes regarding the syllabus will be announced via Brightspace.

Should Hunter college switch to exclusively remote learning at any point during the semester:

Proctoring software, which may include the use of browser lock-downs and cameras, may be used for examinations in this course. The lecture and laboratory exams will **not** convert to "open-book" nor group-wide exams. If exams become remote they need to be taken as if you are sitting in your lecture hall, each individual is to take their own exam.

Hunter College is "not an attendance-taking institution," in regard to Federal Title IV Regulations and financial aid. However, the instructor has the right to set attendance as one of the requirements for the course and to use it as part of the grade. Such attendance policies must be clearly stated in the course syllabus. (Please see grading structure summary on previous page)

Hunter College Academic Integrity Policy: Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures. https://www.cuny.edu/about/administration/offices/legal-affairs/policies- procedures/academic-integrity-policy/

ADA Policy: In compliance with the American Disability Act of 1990 (ADA) and with Section 504 of the Rehabilitation Act of 1973, Hunter College is committed to ensuring educational parity and accommodations for all students with documented disabilities and/or medical conditions. It is recommended that all students with documented disabilities (Emotional, Medical, Physical and/ or Learning) consult the **Office of AccessABILITY** located in Room E1124 to secure necessary academic accommodations. For further information and assistance please call (212- 772- 4857)/TTY (212- 650-3230). http://www.hunter.cuny.edu/access

Hunter College Policy on Sexual Misconduct: In compliance with the CUNY Policy on Sexual Misconduct, Hunter College reaffirms the prohibition of any sexual misconduct, which includes sexual violence, sexual harassment, and gender-based harassment retaliation against students, employees, or visitors, as well as certain intimate relationships. Students who have experienced any form of sexual violence on or off campus (including CUNY-sponsored trips and events) are entitled to the rights outlined in the Bill of Rights for Hunter College.

a. Sexual Violence: Students are strongly encouraged to immediately report the incident by calling 911, contacting NYPD Special Victims Division Hotline (646-610-7272) or their local police precinct, or contacting the College's Public Safety Office (212-772-4444).

b. All Other Forms of Sexual Misconduct: Students are also encouraged to contact the College's Title IX Campus Coordinator, Dean John Rose (jtrose@hunter.cuny.edu or 212-650-3262) or Colleen Barry (colleen.barry@hunter.cuny.edu or 212-772-4534) and seek complimentary services through the Counseling and Wellness Services Office, Hunter East 1123. CUNY Policy on Sexual Misconduct