



# Hunter College

## Principles of Biology I (AM)

### Spring 2021 Course Syllabus

#### Course Information

##### **Principles of Biology I (AM LECTURE)**

**Course mode of instruction: FO** – Fully online. 100% of scheduled class meetings are replaced with online activities or virtual meetings. All of the class work, including exams is online. Course materials will be found on the CUNY Learning Management System (LMS) which is Blackboard.

##### Tips for taking a fully online course

- Activate and use your Hunter email address to communicate with your professors and classmates.
- Download and print a copy of the course schedule/syllabus and note all important due dates in a calendar that you use frequently.
- **Check your Blackboard course site daily.**
- Keep track of due dates to better manage your time and priorities with what work needs to be done first.
- Set a study plan including time and place to do course work for the whole semester.
- Always read instructions carefully and follow them.
- Practice using any technology tools required for the class before assignments are due.
- Find a study partner or form a study group.
- **Expect to spend 9 hours - 12 hours per a week on a fully online course.**
- Don't get behind on turning in assignments and doing homework.

## Contact Information

**Course Lecturer:** S. Sheppard-Lahiji, PhD

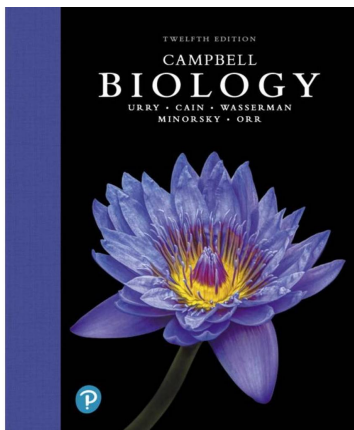
**Course Lecturer Email:** [Sheppard@genectr.hunter.cuny.edu](mailto:Sheppard@genectr.hunter.cuny.edu)

**Zoom sessions:** by appointment only

Additional contact information for recitation and lab instructors will be located on blackboard

## Course Materials

### Texts and course materials:



- Required – Campbell Biology textbook
- Suggested version: 12<sup>th</sup> edition Access card – 9780135987988
  - If you have an alternative version of the textbook that is acceptable. Information for accessing the etext through our LMS is found on blackboard in the “Start Here” section
- Labster (no purchase is required to utilize this material)
- Primary Instructional technologies: Blackboard, Voicethread and Gradescope

## Course Description

### Prerequisites

- MATH 125 and CHEM 102 or equivalent
  - Consistent access to an electronic device with a stable internet connection

### Online organization

- Lectures are **asynchronous**. 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. Please review the course content on blackboard regarding how to engage VoiceThread material (found in course navigation).
- Lecture exams are **synchronous**. This means that all lecture-based exams must be completed during the lecture time during the specific date and time provided in the Online Lecture Course Schedule. Lectures times are Monday/Thursday from 8:10-9:25 AM EST. \*Please note that the final does not run during normal lecture time and adheres to the CUNY Finals bell schedule

- **Recitations are synchronous.** You can attend as many recitations as you want but all recitation-based assessments must be completed in your official recitation
- **Labs are synchronous.** 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 conclusions.
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

## Course Calendar & Content

A checklist of Campbell key concepts to read will be available on blackboard. Some weeks may have additional readings and articles that will be provided via blackboard. Additional details regarding graded materials and rubrics will be provided via blackboard.

## Online Lecture Course Schedule

Week dates	Textbook Readings	Assessments & Learning Activities	Due Dates
Week 1 02/01-02/07	<b>Chapters 2 &amp; 3</b>		
Week 2 02/08-02/14	<b>Chapters 4 &amp; 5</b>		
Week 3 02/15-02/21	<b>Chapter 6</b>		
Week 4 02/22-02/28	<b>Chapter 7</b>		
Week 5 03/01-03/07	<b>Chapter 8</b>		
Week 6 03/08-03/14		<b>Lecture Exam 1 Chapters 2-7</b>	<b>03/11 8:10-9:25 AM EST</b>
Week 7 03/15-03/21	<b>Chapter 9</b>		
Week 8 03/22-03/28	<b>Chapter 12</b>		
Week 9 03/29-04/04	<b>SPRING RECESS</b>		
Week 10 04/05-04/11	<b>Chapter 13</b>		
Week 11 04/12 – 04/18	<b>Chapter 14</b>		
Week 12 04/19 – 04/25	<b>Chapter 15</b>		

Week 13 04/26 – 05/02		<b>Lecture Exam 2</b> <b>Chapters 8,9,12-14</b>	<b>04/29</b> <b>8:10 – 9:25 AM EST</b>
Week 14 05/03 – 05/09	<b>Chapter 16</b>		
Week 15 05/10 – 05/16	<b>Chapters 17/18</b>		
Week 16 05/17 – 05/23		<b>FINAL EXAM</b> <b>NEW - Chapters 15-18</b> <b>Cumulative –</b> <b>Chapters 2-9, 12-14</b>	<b>5/20</b> <b>9:00-11:00 AM EST</b>

Lecture content will be provided for asynchronous learning and is released at the start of each week. Lecture exams 1 & 2 are run synchronously within the official time frame of the lecture.

## Online Laboratory Course Schedule

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
Jan					29 (Spring Term Begins)
Feb	1	2	3	4	5
	8	9	10	11	12 <b>No Classes</b> (College Closed)
	15 <b>No Classes</b> (College Closed)	16	17	18 Intro to Food Macromolecules	19 Intro to Food Macromolecules
	22 Intro to Food Macromolecules	23 Intro to Food Macromolecules	24 Intro to Food Macromolecules	25 Cell Structure	26 Cell Structure
Mar	1 Cell Structure	2 Cell Structure	3 Cell Structure	4 Cell Membrane and Transport	5 Cell Membrane and Transport
	8 Cell Membrane and Transport	9 Cell Membrane and Transport	10 Cell Membrane and Transport	11	12 Cellular Respiration
	15 Cellular Respiration	16 Cellular Respiration	17 Cellular Respiration	18 Cellular Respiration	19 Enzyme Kinetics
	22 Enzyme Kinetics	23 Enzyme Kinetics	24 Enzyme Kinetics	25 <b>LAB EXAM 1</b> (all sections)	26
				Enzyme Kinetics	
	29 <b>Spring recess</b>	30 <b>Spring recess</b>	31 <b>Spring recess</b>	1 <b>Spring recess</b>	2 <b>Spring recess</b>

	(College Closed)	(College Closed)	(College Closed)	(College Closed)	(College Closed)
Apr	5	6	7	8	9 Mitosis & Meiosis (2 separate sims)
	12 Mitosis & Meiosis (2 separate sims)	13 Mitosis & Meiosis (2 separate sims)	14 Mitosis & Meiosis (2 separate sims)	15 Mitosis & Meiosis (2 separate sims)	16 Mendelian Inheritance
	19 Mendelian Inheritance	20 Mendelian Inheritance	21 Mendelian Inheritance	22 Mendelian Inheritance	23 Polymerase Chain Reaction
	26 Polymerase Chain Reaction	27 Polymerase Chain Reaction	28 Polymerase Chain Reaction	29	30 Protein Synthesis
May	3 Protein Synthesis	4 Protein Synthesis	5 Protein Synthesis	6 Protein Synthesis	7
	10	11	12	13 LAB EXAM 2 (all sections)	14
	17	18 <b>Reading Day</b> (No classes)			

### Online Recitation Assessment Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
Jan					29 (Spring Term Begins)
Feb	1	2	3	4	5
	8	9	10	11 Assessment 1	12 <b>No Classes</b> (College Closed)
	15	16 Assessment 1	17 Assessment 1	18 Assessment 2	19 Assessment 1
	22	23 Assessment 2	24 Assessment 2	25 Assessment 3	26 Assessment 2
Mar	1	2 Assessment 3	3 Assessment 3	4 Assessment 4	5 Assessment 3
	8	9 Assessment 4	10 Assessment 4	11 <b>Lecture Exam 1</b>	12 Assessment 4
	15	16 Assessment 5	17 Assessment 5	18 Assessment 5	19 Assessment 5

	22	23 Assessment 6	24 Assessment 6	25 Assessment 6	26 Assessment 6
	29	30 <b>Spring recess</b> (College Closed)	31 <b>Spring recess</b> (College Closed)	1 <b>Spring recess</b> (College Closed)	2 <b>Spring recess</b> (College Closed)
Apr	5	6 Assessment 7	7 Assessment 7	8 Assessment 7	9 Assessment 7
	12	13 Assessment 8	14 Assessment 8	15 Assessment 8	16 Assessment 8
	19	20 Assessment 9	21 Assessment 9	22 Assessment 9	23 Assessment 9
	26	27 Assessment 10	28 Assessment 10	29 <b>Lecture Exam 2</b>	30 Assessment 10
May	3	4	5	6 Assessment 10	7
	10	11 Assessment 11	12 Assessment 11	13 Assessment 11	14 Assessment 11
	17	18 <b>Reading Day</b> (No classes)			

## Grading Method

This course utilizes a 1000-point grading system

<b>Exam 1</b>	=	<b>15%</b>
<b>Exam 2</b>	=	<b>15%</b>
<b>Final Exam</b>	=	<b>30%</b> (15% new material, 15% cumulative material)
<b>Gradescope Assessments</b>	=	<b>10%</b> (assessments will take place during scheduled recitations 11 assessment will be given and you can drop the lowest one)
<b>Lab Material</b>	=	<b>30%</b> (Two lab exams 5% each, 15% lab quizzes given by lab instructor, 5% labster simulation completion)

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**100%**



## Course Point Structure

### LECTURE & RECITATION: 700 pts

Recitation assessments will be administered by your recitation instructors and must be taken in your officially assigned recitation. Responses will be put in Gradescope and you will receive a notification once you've been added to the Gradescope site.

The first 2 Lecture exams are worth 150 pts each while the Final exam will be worth 300 points in total: 150 points of multiple choice questions from material not yet tested (material presented after 2<sup>nd</sup> exam) and an additional 150 points of cumulative multiple choice questions. This cumulative portion will consist of multiple choice questions covering material from the 1<sup>st</sup> and 2<sup>nd</sup> lecture exams.

**Please note:** If your 150 pt cumulative exam score (from the Final exam) is **higher** than either of your first 2 lecture exam scores, the cumulative multiple exam score will replace the lower of those exam scores (and count double). For instance, if you score a 120 on exam #1 and a 68 on exam #2, and you earn 141 points on the cumulative portion of the Final exam, we will drop your score from exam #2 and count your 141 score twice. Your total will be 120, 141 and 141 (+ your score from the non-cumulative portion of the Final exam **which cannot be dropped**).

There will be no-back-tracking on any of the assessments provided through blackboard.

### LAB: 300 pts (30%)

There will be **two** lab exams based on the simulation topics administered during the semester (Exam 1 on 3/25 and Exam 2 on 5/13) for 100 pts total. **(These exams will take place during your lecture time from 8:10 -9:25 am EST on the two assigned Thursdays)** The remaining 200 points will be earned over the course of the semester as follows: You will earn 5 points each for the successful completion of the assigned Labster simulation regardless of your score on the embedded quiz within the simulation (*the points are just for completion*). In addition, 15 points can be earned each week through quizzes administered at the start of each laboratory period by your laboratory instructor (except for the week 4/9 - 4/15; during classes that week 30 points can be earned since 2 simulations are being covered in a single class period.) 20 points X 10 simulations (given over 9 weeks of laboratory class) = 200 points.

## Communication

- Time zone for all online deadlines: Eastern Standard Time (EST)
- Content communication: VoiceThreads

- Personal communication preference: Email (place course in subject)
- Estimated instructor response time to emails/VoiceThreads: will check weekly
- Estimated instructor response time for assignment feedback 7-10 days

## Syllabus Change Policy

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 blackboard.

**Online courses are subject to the same CUNY policies as in-person courses regarding academic integrity, the acceptable use of computer resources, equal opportunity and non-discrimination, sexual misconduct, workplace violence, domestic violence, and reasonable accommodations.**

**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.

**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).

**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