

Hunter College
Principles of Biology II
Spring 2024 Lecture Syllabus

Course Information

Principles of Biology II

Course mode of instruction: – Hybrid. 100% of lecture class meetings are replaced with online activities or virtual meetings. **Lab and recitation classes are live, in person. Lecture exams are IN PERSON**. Course materials will be found on the CUNY Learning Management System (LMS) which is Blackboard. **Please note, students registered for this course, with the understanding that it is full online. This means it is the student's responsibility to ensure they have the technology (eg, stable internet, compatible browsers) complete all components of this course. In addition, students should ensure that they have an environment that is distraction free.**

Tips for taking an 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, no exceptions will be made for technology errors**
- 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.

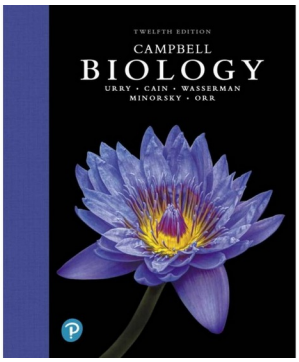
Contact Information

Course Lecturers: A. Lahiji, PhD
Course Lecturer Emails: Lahiji@genectr.hunter.cuny.edu
Lecturer Office Hours: A. Lahiji, PhD
Additional contact information for recitation and lab instructors will be located on blackboard

Office Hours will be held on an appointment basis on blackboard collaborate

Course Materials

Texts and course materials:



- Required - Campbell Biology textbook
  - Suggested *version:* 12th edition (Custom for Principles of Biology at Hunter College) Jane B. Reece. ISBN-13: 9780135987988
- Alaie and Jaeger Principles of Biology I Laboratory Manual.
- Primary Instructional technologies: Blackboard, Blackboard collaborate, and Zoom and/or VoiceThread

Course Description

Prerequisites

- BIOL 100
- Consistent access to an electronic device with a stable internet connection

Online organization

- Lectures are **asynchronous**. Asynchronous means that no live lectures will be held during the official lecture time of 8:25-9:40PM. The lectures will be provided as Voicethread videos that will be accessible via blackboard.
- Recitations are **synchronous and live**. Synchronous means that the recitations will run during their official times. You are responsible for attending your registered section.
- Labs are **synchronous and live**. Synchronous means that the labs will run during their official times. You are responsible for attending your registered section.

Learning Outcomes

1. Students will be able to employ the scientific method to identify problems or questions develop hypotheses, design experiments to test hypotheses, and reach conclusions.
2. Students will be able to explain how various physiological systems relate to each other.
3. Students will be able to apply foundational concepts in Biology to more complex topics such as immunology and cancer biology
4. Students will be able to analyze relevant biological literature in order to draw conclusions and significance of the readings.
5. Students will be able to evaluate questions and/or data in order to display mastery of covered content

Course Calendar & Content

Week dates	Textbook Readings
Week 1 01/26-2/04	**Getting Started**
Week 2 02/05-02/11	**Chapter 19** viruses
Week 3 02/12-02/18	**Chapter 43 (Part 1)** The immune system
Week 4 02/19-02/25	**Chapter 43 (Part 2)** The immune system
Week 5 02/26-03/03	**Exam 1 (Chapters 19, 43)** **2/29 Exam 1 (Synchronous, Blackboard, 8:25pm EST)** **North Bldg 1036**
Week 6 03/04-03/10	**Chapter 11** Cell communication
Week 7 03/11-03/17	**Chapter 45** Hormones & The endocrine system
Week 8 03/18-03/24	**Chapter 20** Biotechnology
Week 9 03/25-04/07	**Cancer Biology (part I)** Pearson PDF
Week 10 04/08-04/14	**Cancer Biology (part 2)** Pearson PDF
Week 11 04/15-04/21	**Exam 2 (Chapters 11, 45, 20, Cancer)** **4/18 Exam 2 (Synchronous, Blackboard, 8:25pm EST)** **North Bldg 1036**
Week 12 04/22– 04/28	**Chapter 42 (part I & 2)** Circulation &Gas Exchange
Week 13 04/29 – 05/05	**Chapter 44** Osmoregulation & Excretion
Weeks 14-15 05/06 – 05/15	**Chapter 46 & 48**
Week 16 05/16	**Exam 3 (Chapters 42, 44, 46, 48) & Final Exam (ALL)** **5/16 (Synchronous, Blackboard, 7:30pm- 9:30pm EST)** North Bldg 1036

BIO102 Lab Calendar (see previous page for LECTURE schedule) **Spring 2024**

Note: manual chapters for each lab are in parentheses

	Monday	Tuesday	Wednesday	Thursday	Friday
Jan	22	23	24	25	26
	29 Plants1&2	30 Plants1&2	31	1	2
	5 Photosynthesis	6 Photosynthesis	7	8	9
Feb	12 College Closed	13 No Lab	14	15	16
	19 College Closed	20 No Lab	21	22 No Lab (Monday Schedule)	23
	26 Practical #1	27 Practical #1	28 No Lab (Monday Schedule)	29	1
Feb/Mar	4 Invertebrates	5 Invertebrates	6	7	8
	11 Vertebrates 1	12 Vertebrates 1	13	14	15
Mar	18 Vertebrates 2	19 Vertebrates 2	20	21	22
	25 Practical #2	26 Practical #2	27	28	29
	1 Histology	2 Histology	3	4	5
	8 Blood	9 Blood	10	11	12
Apr	15 Behavior	16 Behavior	17	18	19
	22 Spring Break	23 Spring Break	24 Spring Break	25 Spring Break	26 Spring Break
	29 Spring Break	30 Spring Break	1	2	3
	6 Practical #3	7 Practical #3	8	9	10
May	13 No Lab	14 No Lab			

Online Lecture Course Schedule

Lecture content will be provided for asynchronous learning and is released at the start of each week. Lecture exams are run synchronously within the official time frame of the lecture. Lecture exams WILL BE IN PERSON, IN ROOM HN1036.

Exams There will be two Midterm lecture exams worth 100 pts each. The final exam (held during finals week) will be worth 200 points in total: 100 points of multiple choice questions from material not yet tested (material since Midterm II) and an additional 100 point cumulative exam. This cumulative exam will consist of multiple choice questions covering material from Midterms I and II. Please note: if your 100 pt cumulative exam score is higher than the multiple choice score from Midterm I or Midterm II, the cumulative exam score will replace the lower of those scores (and count double). For instance, if you score a 76 on the multiple choice portion from exam #1, a 68 from exam #2, and you earn 82 points on the cumulative portion of the final exam, we will drop your score from exam #2 and count your 82 point score twice. Your scores would become 76, 82, 82, (plus your score from the noncumulative portion of the final exam **which cannot be dropped**).

Recitation attendance is required and will be held **synchronously and live**, at your scheduled time.

Lab attendance is required and will be held **synchronously and live**, at your scheduled time. **This will be held synchronously.**

All assignments are due at the date indicated by the time allotted, no exceptions. Please ensure you have access to blackboard and your technology is in order. No exceptions will be made.

Grading Method & Scale

Exam 1	**=**	**10%**
Exam 2	**=**	**10%**
Exam 3	**=**	**10%**
Recitation quizzes	**=**	**20%**
Lab quizzes	**=**	**10%**
Lab practicals	**=**	**10% each; 30% total**
Final Exam (Cumulative)	**=**	**10%**

100%

Undergraduate

Letter Grade	GPA Value	Grade Scale %
A+	4.0	97.5 – 100%
A	4.0	92.5 – 97.4%
A-	3.7	90.0 – 92.4%
B+	3.3	87.5 – 89.9%
B	3.0	82.5 – 87.4%
B-	2.7	80.0 – 82.4%
C+	2.3	77.5 – 79.9%
C	2.0	70.0 – 77.4%
D	1.0	60.0 – 69.9%
F	0	0.0 – 59.9%

Communication

- Time zone for all online deadlines: Eastern Standard Time (EST)
- Primary Instructor for email communication: A. Lahiji
- Estimated instructor response time to emails/Voicethreads: 48-96 hours
- Estimated instructor response time for assessment feedback 7-10 days after the deadline for submission

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.

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