



Division of Earth, Life & Natural Sciences Biology Department

<https://www.hccs.edu/programs/areas-of-study/science-technology-engineering--math/biology/>

BIOL 1306: General Biology | Lecture | 22489
Spring 2021 | 16 Week | 01.19.2021-05.16.2021 | Online - DE
Cisco WebEx | Monday and Wednesday 2:00 pm – 3:20 pm
3 Credit Hours | 48 hours per semester
All courses will begin in the virtual classroom per HCC administration
(subject to change by HCC administration)

Instructor: Terri Blackmon, Ph.D.

Office Phone: Canvas Email Inbox

HCC Email: Canvas Email Inbox

Office Hours: By Prior Appointment via WebEx

Office Location: Stafford Campus
Learning Hub
Faculty Suite 303
Cubicle 3.10

Please feel free to contact me concerning any problems that you are experiencing in this course. **Your performance in my class is very important to me.** I am available to hear your concerns and discuss course topics.

Instructor's Preferred Method of Contact

Please use the "Inbox" feature in Canvas to send emails to me regarding anything related to your course. I do not respond to emails from personal accounts such as Gmail, Hotmail, AOL, etc. I will respond to emails within 24-48 hours Monday through Friday. I will reply to weekend messages during the following week.

COVID-19 Exposure Reporting Procedure

Everyone must fill out a pre-screening questionnaire called the HCC COVID-19 Pre-Screening. This must be completed the day you plan to come to campus, but before you arrive at HCC. Students are registered in the HCC COVID-19 Pre-Screening system and will receive an email every day with their unique link to complete the questionnaire prior to arriving at an HCC location.

Experiencing symptoms or concerned over possible exposure?

If you are a student and are experiencing symptoms or have concerns about being exposed, please:

1. Stay home.
2. Contact your healthcare provider.
3. If **you are supposed to be on campus for class**, complete the HCC COVID-19 Pre-Screening questionnaire which will start our follow-up process.
4. If **you do not need to be on campus**, complete the HCC COVID-19 Pre-Screening questionnaire which will start our follow-up process.
5. After completing questionnaire, email a screenshot of the confirmation page to your professor so they are aware and can work with you to determine next steps for completing your assignments.

What's Exciting About This Course

Biology is an endless adventure with constant new developments. Biology is the study of life. Perhaps, the first thing that comes to mind when you think about life on earth is humans and familiar animals. In this course, you will also learn about bacteria, fungi, plants, and other life forms on earth. This course introduces students to the nature of life, including the chemical foundation of life; plants, animal, humans and bacterial cell structure and function; DNA, genetics, and evolution. You will learn about the various techniques used to study biology, gene cloning, gene editing and the exciting field of genetic engineering.

My Personal Welcome

Welcome to General Biology I — I am delighted that you have chosen this course! One of my passions is to know as much as I can about the natural sciences, and I can hardly wait to pass that on to you. I will present the information in the most exciting way I know, so that you can grasp the concepts and apply them now and hopefully throughout your life.

As you read and wrestle with new ideas and facts that may challenge you, I am available to support you. The fastest way to reach me is by my HCC email. The best way to really discuss issues is in person and I am available during posted office hours to tackle the questions. My goal is for you to walk out of the course with a better understanding of yourself and of human behavior. So please visit me or contact me by email whenever you have a question.

Course Modality

Online on a Schedule – Students can take classes online at the scheduled class time that they select when enrolling. Students never come to campus, but log into their class on the scheduled dates and times using our learning management system (Canvas). Attendance is Required.

Prerequisites and/or Co-Requisites

Recommended prerequisite: MATH 1314 or 1414, successful completion of college algebra or concurrent enrollment in higher-level mathematics is recommended.

Recommended co-requisite: BIOL 1106 Biology for Science Majors I (lab)

Please carefully read the repeater policy in the [HCCS Student Handbook](#).

Canvas Learning Management System and Computer System Requirements

HCC uses the Canvas learning management system (LMS), which we call Eagle Online. To access Eagle Online, you will need a PC (Windows 7 sp1 or better), or Mac (OS X 10.8 or better) with a broadband connection to the Internet. Use [FIREFOX](#) or [CHROME](#) as the internet browser.

All biology sections utilize Canvas (<https://eagleonline.hccs.edu>) to supplement in class assignments, exams, and activities. The biology department requires a computer or iPad with the ability to download the Respondus Lockdown Browser (LDB) software and a webcam for online assessments. **Chromebooks and smartphones cannot be used for graded assessments for which the instructor requires LDB and webcam monitoring.** If you do not have the capabilities for LDB with webcam you are advised to withdraw from this course and re-enroll in another course that does not require LDB and webcam monitoring.

Type Minimum Recommended

PC Users Windows Vista Windows 10 (10 S mode is not supported)

Mac Users OS X 10.5 or higher OS X 10.13 High Sierra

Webcam 640×480 resolution 1280×720 resolution

Internet Download Speed .768 Mbps 1.5 Mbps

Canvas Browser Requirements:

- Canvas recommends the use of the latest version of any web browser. It is important to update your web browser regularly.
- Pop-ups must be enabled. Disable your pop-up blockers.
- JavaScript must be enabled
- Cookies must be enabled
- Install the most used internet plugins and keep them updated

Canvas help and information will be found in the "Start Here" module of your canvas course shell.

Open Lab Locations

[HCCS Open Computer Lab locations](#) may be used to access the internet and Canvas when open.

HCC Online Information and Policies

For online/hybrid students. As an online /hybrid student, you are responsible for all information/requirements provided by the online college. Here is the link to information about HCC Online classes <http://www.hccs.edu/online/>. This includes the mandatory online course prior to start of class.

Instructional Materials Required for The Course

1. Textbook

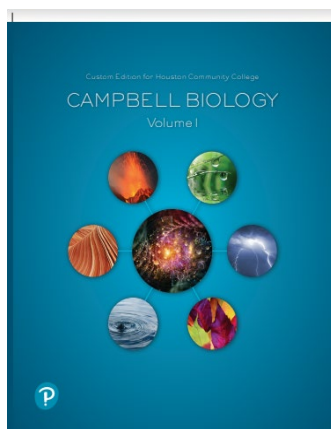
Inclusive Access

DO NOT PURCHASE A BOOK OR ACCESS CODE FOR THIS COURSE. You have already paid for your course materials through the registration process. The cost of digital course materials for this class were included in your student bill and are guaranteed to be the lowest cost available to purchase your required materials. Your course materials for this class will be accessed digitally through this Canvas site. NO other purchase is necessary. For students who wish to have a printed copy of the text, an optional low-cost print copy is available for purchase at the Houston Community College Bookstore.

You have the right to opt-out and purchase your own course materials if you desire, prior to the official day of record, which is February 2, 2021, for Spring I 2021. It is *NOT* recommended that you Opt-Out, as these materials are required to complete the course. *You can choose to Opt-Out on the first day of class, but you will be responsible for purchasing your course materials at the full retail price and access to your materials may be suspended.*

Student Video: How to access eBook Course Materials in Canvas 1111
<https://vimeo.com/304674236>

The textbook listed below is required for this course and the e-text comes with your course registration. **If you choose to Opt-out (not recommend as explained above), you are required to purchase the text.**



Campbell Biology 12th edition with mastering: Full volume or Split Volume

	Author	Edition	ISBN
a) Campbell Biology w/ Mastering (full volume text with chapters for BIOL 1306 and BIOL 1407)	Urry	12	9780135855836
b) Campbell Biology vol.1 w/ Mastering (split volume text with chapters specifically for BIOL 1306)	Urry	12	9780137287567

2. Laptop

You will need access to laptop with built-in webcam or external webcam every class, every class. required on exam days.

IF YOU HAVE TECHNICAL PROBLEMS, YOU ARE STILL RESPONSIBLE FOR SUBMITTING ASSIGNMENTS BY THE DUE DATE.

Other Instructional Resources

Tutoring

HCC provides free, confidential, and convenient academic support, including writing critiques, to HCC students in an online environment and on campus. Tutoring is provided by HCC personnel to ensure that it is contextual and appropriate. Visit the [HCC Tutoring Services](#) website for services provided.

Libraries

The HCC Library System consists of 9 libraries and 6 Electronic Resource Centers (ERCs) that are inviting places to study and collaborate on projects. Librarians are available both at the libraries and online to show you how to locate and use the resources you need. The libraries maintain a large selection of electronic resources as well as collections of books, magazines, newspapers, and audiovisual materials. The portal to all libraries' resources and services is the HCCS library web page at <http://library.hccs.edu>.

HCCS Biology Lab Study Pages

[Click here to access Biology lab study pages online.](#)

OpenStax

<https://openstax.org/details/books/biology-2e>

STEM Website for students

www.hccs.edu/stem

Great information on science clubs, seminars, symposium, and research opportunities that are available to HCC students. Check back often- updated regularly.

Tutoring

<https://hccs.upswing.io/>

Get expert one-on-one help, Online or In Campus, specifically for HCC students.

On Campus Tutoring

www.hccs.edu/findatutor

Get expert one-on-one help, 6 days a week, for HCC students!

Supplementary Instruction

Supplemental Instruction is an academic enrichment and support program that uses peer-assisted study sessions to improve student retention and success in historically difficult courses. Peer Support is provided by students who have already succeeded in completion of the specified course, and who earned a grade of A or B. Find details at <http://www.hccs.edu/resources-for/current-students/supplemental-instruction/>.

Course Overview

BIOL 1306 is a course that covers fundamental principles of living organisms, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are also included.

Core Curriculum Objectives (CCOs)

BIOL 1306 satisfies the Natural Science requirement in the HCCS core curriculum. The HCCS Biology Discipline Committee has specified that the course address the following core objectives:

- **Critical Thinking:** Students will demonstrate the ability to engage in inquiry and analysis, evaluation and synthesis of information, and creative thinking by completing a written assignment such as a book report, research paper, or essay.
- **Communication Skills:** Students will demonstrate effective development, interpretation, and expression of ideas through written, oral, and visual communication by completing a written assignment such as a book report, research paper, or essay.
- **Quantitative and Empirical Literacy:** Students will explore the scientific research methods that are used in the study of biology. They will be able to interpret numerical data in charts, graphs, and tables that are in their textbooks and other resources. Students should be able to carry out basic mathematical operations, be able to use Hardy and Weinberg equations, calculate percentages, frequencies, complete textbook reading assignments and answer questions on quizzes and exams that pertain to Course Student Learning Outcome #7.
- **Social Responsibility:** Students will demonstrate the ability to engage effectively in class activities and discussion, complete textbook reading assignments, and answer questions on quizzes and exams that pertain to Course Student Learning Outcome #9 below.

Program Student Learning Outcomes (PSLOs)

Program Student Learning Outcomes (PSLOs) for the Biology Discipline:

- PSLO#1 - Students will display an understanding of biological systems and evolutionary processes spanning all ranges of biological complexity, including atoms, molecules, genes, cells, and organisms.
- PSLO#2 - Students will demonstrate the ability to think critically and to integrate factual and conceptual information into an understanding of scientific data by written, oral and/or visual communication; this may include successful completion of a course-specific research project or a case study module.
- PSLO#3 - Will demonstrate proficiency and safe practices in the use of laboratory equipment and basic laboratory techniques.
- PSLO#4 - Will apply principles of the scientific method to problems in biology in the collection, recording, quantitative measurement, analysis, and reporting of scientific data.

Additional information can be found at: <https://www.hccs.edu/programs/areas-of-study/science-technology-engineering--math/biology/>

Course Student Learning Outcomes (CSLOs)

Upon successful completion of BIOL 1306, the student will be able to:

1. Describe the characteristics of life.
2. Explain the methods of inquiry used by scientists.
3. Identify the basic requirements of life and the properties of the major molecules needed for life.
4. Compare and contrast the structures, reproduction, and characteristics of viruses, prokaryotic cells, and eukaryotic cells.
5. Describe the structure of cell membranes and the movement of molecules across a membrane.
6. Identify the substrates, products, and important chemical pathways in metabolism.
7. Identify the principles of inheritance and solve classical genetic problems.
8. Identify the chemical structures, synthesis, and regulation of nucleic acids and proteins.
9. Describe the unity and diversity of life and the evidence for evolution through natural selection.
10. Develop critical thinking skills and habits of active collaborative learning.

Student Success

Academic standards require a minimum of 3 study hours for every contact hour; meaning for a class that meets 3 hours per week, you need to budget and set aside a minimum of 9 hours each week to study and prep for your course success. Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Additional time will be required for written assignments. The assignments provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:

- Reading the textbook
- Attending class in person and/or online
- Timely completion of assignments
- Participating in class activities
- Successful exam performance, including the mandatory final.

There is no short cut for success in this course; it requires reading and studying the material using the course objectives as a guide.

Instructor and Student Responsibilities

As your Instructor, it is my responsibility to:

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived.
- Facilitate an effective learning environment through learner-centered instructional techniques.
- Provide a description of any special projects or assignments.
- Inform students of policies such as attendance, withdrawal, tardiness, and making up assignments.
- Provide the course outline and class calendar that will include a description of any special

projects or assignments.

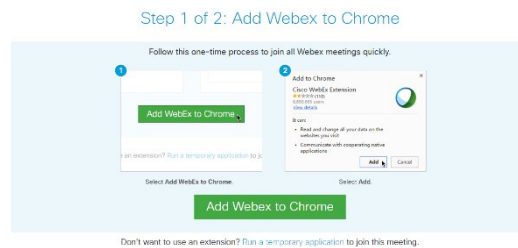
- Arrange to meet with individual students before and after class as required (online or in person depending on campus closures)

As a student, it is your responsibility to:

- Attend class in person and/or online.
- Participate actively by reviewing course material, interacting with classmates, and responding promptly in your communication with me.
- Read and comprehend the textbook.
- Complete the required assignments and exams.
- Ask for help when there is a question or problem.
- Keep copies of all paperwork, including this syllabus, handouts, and all assignments.
- Attain a raw score of at least 50% on the departmental final exam.
- Be aware of and comply with academic honesty policies in the HCCS Student Handbook

Using Cisco WebEx for Virtual Meetings and Office Hours

1. **Classroom Virtual Meetings** tab. You will see a list of available meetings to join. Simply click the **JOIN** button for the meeting you wish to participate in.



2. If this is your first-time using WebEx, you will be prompted to install a browser extension.
3. You will be prompted to join the audio conference via phone or your computer.
 - If you want to use your computer, select **Use Computer for Audio**.
 - If you are not able to get the computer audio to work, you may join the audio conference by phone. Under the "Use Phone" section, there will be a phone number, access code, and attendee ID. Call the phone number, then enter the code and attendee ID when prompted.

Office Hours Virtual Meetings

1. Click on the **Cisco WebEx** button.
2. Then, click the **Office Hours** tab. You will see a list of available time slots in 15-minute increments. If you need more than 15 mins, simply select more than one slot.
3. Scroll to the bottom of the page and click **Confirm Meeting**.
4. To join the scheduled Office Hour meeting, check your HCC student email and click on **Join Meeting Link**.

Additional Troubleshooting and Support Links

- [View a Test Meeting](#)
- [Download WebEx Desktop Application](#)
Here's a quick overview of WebEx Meetings App:
- Download WebEx client for Mozilla Firefox or Google Chrome
 - To Manually Install Cisco WebEx for Google Chrome, see: [Manually Install Cisco WebEx for Google Chrome](#)
 - To Manually Install Cisco WebEx for Mozilla Firefox, see: [Manually Install Cisco WebEx for Mozilla Firefox](#)
- Download WebEx Mobile App (The WebEx Mobile App does not work with WebEx Training Center.)
 - Installer for Apple iOS: <https://itunes.apple.com/us/app/cisco-webex-meetings/id298844386?mt=8>
 - Installer for Android: <https://play.google.com/store/apps/details?id=com.cisco.webex.meetings&hl=en>

Assignments, Exams, and Activities

Class Activities

Students are expected to come to class prepared for that day's coursework/activities and to be actively engaged. I incorporate "Active Learning" in this course, the activities will be important and a regular part of the course. Research has shown that active learning increases learning and student's grades. Some activities will require students to have prepared outside of class by either reading a section and/or viewing a video, completing a worksheet, case study, or study guide, etc. and then coming to class ready to complete an activity that will enhance the learning of that concept or take a quiz.

- 1. Active Learning Activities (Required):** Requires students' involvement to do meaningful learning activities and think about what they are doing. **Students will be expected to have prepared outside of class by either reading a particular section and/or viewing a video, completing a worksheet, case study, or study guide, etc. and then coming to class ready to complete an activity that will enhance the learning of that concept or take a quiz.** I will provide more information as the semester progresses.
- 2. Muddiest Points Discussion (Required):** Certain concepts can be quite challenging for students to grasp; the purpose of this reflective exercise is to allow students an opportunity to reflect on what they know and do not know. I am also a true believer that everyone can teach, so this exercise provides students an opportunity to collaborate with classmates and help clear their "muddiest" point. I suggest you do this activity after you have read the chapter/watch videos.

Benefits:

- a. Provides me insight into which topics need more attention.
- b. Aids you in your ability to critically think and teaches you how to identify and articulate quickly what you do not understand.
- c. Allows for collaboration and connection.

3. Exams (Required)

1. There are time limits for exams. You will not be given extended time for testing if you log in late.
2. Exams are closed book; you may not consult with another person.
3. You may not use any other device during the exam.
4. You must always remain within the Webcam's view with no music or a TV playing.
5. You will be prompted to show your entire exam environment with your Webcam (including your desktop!).
6. Always keep your eyes on the computer screen or upwards.
7. **Exams Format:** Will include multiple choice questions, fill in the blank, and short answer questions. You may have questions from the lectures, notes, and textbook.
8. **Lecture exams:** Five (5) lecture exams, each covering material from the respective chapters.

Exams are open and due on Sundays by 11:59 pm unless otherwise specified by the professor.

- 4. Chapter Post-Quizzes (Required):** Each week you will be required to complete a quiz on the chapter assigned for that week. Quizzes will be administered through the Eagle Online Canvas classroom and requires Lockdown Browser with Respondus.

These quizzes are **closed book/notes and timed (15 minutes)**. You have only **one attempt** to finish them; hence, attempt these quizzes only after reading the chapter.

Quizzes are open and due the day last day the lecture is covered by 11:59 pm, unless otherwise specified by the professor.

- 5. MasteringBiology Dynamic Study Modules (Extra Credit):** Each week, you will have access to these assignments pertaining to each chapter assigned that week. These assignments will be administered through Modified MasteringBiology but will be accessed through the Eagle Online Canvas classroom.

These assignments are **untimed** (you may begin an assignment, log out, and come back later to finish it). This is an extra credit assignment.

Dynamic Study Modules and Discussions are due on days listed on the course schedule and/or MasteringBiology Calendar by 11:59 PM, unless otherwise specified by the professor.

- 6. Chapter Pre-Quizzes (Extra Credit):** Each week students can take a 3-point quiz on the chapter assigned for that week. Quizzes will be administered through the Eagle Online Canvas classroom and requires Lockdown Browser with Respondus.

These quizzes are **closed book/notes and timed (5 minutes)**. You have only **one attempt** to finish them; hence, attempt these quizzes only after reading the chapter.

Quizzes are open and due before the lecture is covered by, unless otherwise specified by the professor.

Please do not make requests for individual extra credit (it will be denied); you will spend your time more wisely working on the course assignments! All extra credit points will be available to all students. No extra credit assignments will be given on an individual student basis. The maximum allowable extra credit from all sources combined may not exceed 10% of the course total.

IF YOU HAVE TECHNICAL PROBLEMS, YOU ARE STILL RESPONSIBLE FOR SUBMITTING ASSIGNMENTS BY THE DUE DATE.

Final Exam (Required)

All students will be required to take a comprehensive departmental final exam consisting of 50 multiple-choice questions. The final exam grade will count as 10% of your course grade.

Students who are absent from the Final Exam without discussing their absence with the instructor with a 24 hr advanced notice will receive a FX for the course.

Grading Formula

Lecture Exams.....	50%
Discussions/Active Learning Activities.....	25%
Quizzes/Study Dynamics (2)	15%
Comprehensive Departmental Final Exam	10%
Extra Credit.....	10%
Total.....	110%

The grading scale will be the HCCS standard:

90-100%	A: 4 points per semester hour
80-89%	B: 3 points per semester hour
70-79%	C: 2 points per semester hour
60-69%	D: 1 point per semester hour
0-59%	F: 0 points per semester hour
FX	Earned by excessive absences.

Withdrawals and Incompletes earn 0 points per semester hour.

**An 89.5 (B) will be recorded as is and not rounded to a 90 (A), this rule will apply to all letter grades. I understand this may seem a little harsh, however I offer multiple opportunities throughout the semester to be successful in my course. It your responsibility to hasten to the opportunities.

IP (In Progress) is given only in certain developmental courses. The student must re-enroll to receive credit. COM (Completed) is given in non-credit and continuing education courses. To compute grade point average (GPA), divide the total grade points by the total number of semester hours attempted. The grades "IP," "COM" and "I" do not affect GPA.

HCC Grading Scale can be found on this site under Academic Information:
<http://www.hccs.edu/resources-for/current-students/student-handbook/>

Incomplete Policy:

In this course, the purpose of the "I" (incomplete) grade is for students who are caught up and passing at the student withdrawal deadline, and then have a medical or other problem that prevents them from completing the course. If you are not passing at the student withdrawal deadline, you should drop yourself from the course, or you will likely earn an "F." An incomplete "I" grade will be given only if all the following conditions are met:

- ✓ You have earned at least 85% of the available points by the date that the "I" grade is requested.
- ✓ You can provide documentation showing why you should earn an incomplete, such as a doctor's note, etc.
- ✓ You must be passing with a grade of "C" or better.
- ✓ You must request the incomplete in writing **April 23, 2021.**
- ✓ In all cases, the instructor reserves the right to decline a student's request to receive a grade of Incomplete.

Spring 2021 Tentative Instructional Outline

Week	Lecture	ARG & Mastering Biology Quizzes
Week 1 Jan 18 – 24	M – HOLIDAY: MARTIN LUTHER KING DAY W – Intro and Ch 1: Evolution	
		Fri (1/22) Intro Meet & Greet Discussions Due
Week 2 Jan 25 – 31	M – Chapter 2: Chemical Context W – Chapter 2: Chemical Context	Ch 1: Pre-Quiz (EC) & Post-Quiz (Credit) Ch 2: Pre-Quiz (EC) & Post-Quiz (Credit)
Week 3 Feb 1 – 7	M – Chapter 3: Water and Life W – Chapter 3: Water and Life Sun (2/7) – Exam I (Chapters 1-3)	Ch 3: Pre-Quiz (EC) & Post-Quiz (Credit) Fri (2/5) Extra Credit & Discussions Due (Chapters 1-3)
Week 4 Feb 8 – 14	M – Chapter 4: Carbon & Molecular Diversity W – Chapter 5: Structure & Fxn Molecules	Ch 4: Pre-Quiz (EC) & Post-Quiz (Credit)
Week 5 Feb 15 – 21	M – HOLIDAY “PRESIDENT’S DAY” W – Chapter 5: Structure & Fxn Molecules	Ch 5: Pre-Quiz (EC) & Post-Quiz (Credit)
Week 6 Feb 22 – 28	M – Chapter 6: Tour of the Cell W – Chapter 7: Membrane Structure & Fxn Sun (2/28) – Exam II (Chapters 4-7)	Ch 6: Pre-Quiz (EC) & Post-Quiz (Credit) Ch 7: Pre-Quiz (EC) & Post-Quiz (Credit) Fri (2/26) Extra Credit & Discussions Due (Chapters 4-7)
Week 7 Mar 1 – 7	M – Chapter 8: Intro to Metabolism W – Chapter 9: Cellular Respiration	Ch 8: Pre-Quiz (EC) & Post-Quiz (Credit)
Week 8 Mar 8 – 14	M – Chapter 9: Cellular Respiration W – Chapter 10: Photosynthesis Sun (3/14) – Mid-Term (Chapters 1-10)	Ch 9: Pre-Quiz (EC) Ch 10: Pre-Quiz (EC) Fri (3/12) Extra Credit & Discussions Due (Chapters 8-10)
Week 9 Mar 15 – 21	Holiday “SPRING BREAK”	
Week 10 Mar 22 – 28	M – Chapter 11: Cell Communication W – Chapter 12: Cell Cycle	Ch 11: Pre-Quiz (EC) & Post-Quiz (Credit)
Week 11 Mar 29 – Apr 4	M – Chapter 12: Cell Cycle W – Chapter 13: Meiosis	Ch 12: Pre-Quiz (EC) Ch 13: Pre-Quiz (EC) & Post-Quiz (Credit)
Week 12 Apr 5 – 11	M – Chapter 14: Mendel and Gene Idea W – Chapter 14: Mendel and Gene Idea Sun (4/11) – Exam IV (Chapters 11-14)	Ch 14: Pre-Quiz (EC) & Post-Quiz (Credit) Fri (4/9) Extra Credit & Discussions Due (Chapters 11-14)
Week 13 Apr 12 – 18	M – Chapter 15: Chromosomal Basis of Inher W – Chapter 16: Molecular Basis of Inher	Ch 15: Pre-Quiz (EC) & Post-Quiz (Credit) Ch 16: Pre-Quiz (EC)
Week 14 Apr 19 – May 2	M – Chapter 17: Gene Exp - Gene to Protein W – Chapter 17: Gene Exp - Gene to Protein Sun (5/2) – Exam V (Chapters 15-17)	Ch 17: Pre-Quiz (EC) Fri (4/30) Extra Credit & Discussions Due (Chapters 15-17)
Week 15 May 3 – 9	M – Chapter 18: Regulation of Gene Expression W – Chapter 19: Viruses	Ch 18: Pre-Quiz (EC) & Post-Quiz (Credit) Ch 19: Pre-Quiz (EC) & Post-Quiz (Credit)
		Fri (5/7) Ch 20 & 21 Study Dynamics Required & Discussions Due (Chapters 18-21)
Week 16 May 10 – 16	M – Final Review (optional) W (05/09) @ 2:00 PM – COMPREHENSIVE DEPARTMENTAL FINAL (CHAPTERS 1-21)	

Important Academic Dates

February 1 – Official Day of Record	April 6 – Last Day to Withdraw
February 4 – Last Day for 70% Refund	May 9 – Last Day of Instruction
February 10 – Last Day for 25% Refund	May (10-16) – Finals Week
February 15 – President’s Day	
March (15-19) – Spring Break	
April 2 – Spring Holiday	

Syllabus Modifications

The instructor reserves the right to modify the syllabus at any time during the semester and will promptly notify students in writing, typically by e-mail, of any such changes.

Instructor's Practices and Procedures

Missed Assignments

No Make-up on Lecture Exams or Quizzes

No Make-up on Graded Assessments

No Make-up on Extra Credit Assignments

It takes discipline and diligence to succeed in an intensive course such as Biology. DO NOT wait until last minute before you do your assignments. Procrastination is a thief of progress. Do not allow it to steal your grades.

It is your responsibility to contact me if you are ill, having technical difficulty etc. Same day notices when the assignment is due will not be accepted.

*In some extreme instances (e.g., medically excused absence, death in immediate family with documented proof) a make-up lab exam will be administered and may take either oral or written essay format. All make-up examinations will have a maximum score of 90% (reduced by 10%) regardless of whether there was a valid reason for missing the scheduled examination. Remember, typically, there will be no make-up exams.

Doctors note will not be accepted after one week of the missed assignment/exam.

Academic Integrity

Academic dishonesty: Academic dishonesty will result in disciplinary action, including dismissal. If cheating is discovered during assessments an "F" with zero points will be administered for the exam/quiz/homework/lab grade. If this should become a persistent problem, the student will receive an "F" for the course. Please be aware that it is VERY difficult to pass the course with a zero-point exam score. Please see page 78 of the Student Handbook for more details.

<https://www.hccs.edu/resources-for/current-students/student-handbook/#d.en.293830>

Here is the link to the HCC information about academic integrity (Scholastic Dishonesty and Violation of Academic Scholastic Dishonesty and Grievance):

<http://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-procedures/>

Attendance Procedures

Attendance is mandated by the state. It is important that you log on daily to class! Attending class regularly is the best way to succeed in this class. Although it is your responsibility to drop a course for non-attendance, **a student who misses four or more classes is subject to administrative withdrawal.**

Attendance will be recorded at the beginning of each class period. Absence from class does not excuse a student from class work or exams missed. Students are responsible for information missed due to absence.

Get the contact information of at least two students, preferably three, in class. If you are absent, it is your responsibility to contact one these students to inform you about what was covered in lecture. I will not supply missed notes.

If you stop attending class for whatever reason, **it is your responsibility to officially drop the course by April 6, 2020. Otherwise, you will receive an "FX" for the course.**

Absences are excused in cases of illness verified by a physician, the death of an immediate family member or a problem verified by a police report or court order.

Student Conduct

Appropriate student conduct is always expected. Disruptive behavior will result in Security. Please see page 78 of the Student Handbook for more details.

<https://www.hccs.edu/resources-for/current-students/student-handbook/#d.en.293830>

Technical Support for Students

It is your responsibility to possess the necessary skills to manage the hardware and software systems for this course. In addition, if your normal computer becomes unavailable for any reason, you are responsible for locating and operating other adequate computer facilities to meet the course deadlines.

If you have any technical problems, please contact the Canvas Helpdesk, and get a service ticket and email me the Service Ticket number that they email you when you contact me with details of the problem. Please do not contact me first as I am not an IT technician.

Alternative Methods of Turning in Assignments

Even if your computer crashes, you are still responsible for meeting the course deadlines. Each campus has computer labs available for students. Houston Community College is comprised of 6 regions with several campus locations per region. Each campus provides computer labs for education support. Computer labs are generally located at each campus library.

If necessary, you can request permission from me to turn in an assignment in an alternative method. Email or Inbox me to request special permission.

Eagle Online Help Center and Canvas Help

HCC Online publishes the [Eagle Online \(Canvas\) Technical Requirements for HCC Students. Links to an external site.](#)

You can find the answers to many of your questions about how to use Canvas by clicking the **Help** link in the bottom left corner of the Canvas window and then clicking **Search the Canvas Guides**.

If you have technical issues with Canvas, click the **Help** link and then click **HCC Online Help**.

Eagle Online Help Center: <https://www.hccs.edu/online/technical-support/>
Student Instructional Resources Page: <https://www.hccs.edu/resources-for/current-students/communicable-diseases/resources-for-students/student-instructional-resources/>

Eagle Online Technical Support	713-718-5275, option 3
IT Help Desk	713-718-8800, option 1(Password reset)
Instructional Services	713-718-5295

LockDown Browser Requirement

This course requires the use of LockDown Browser and a webcam for online exams. The webcam can be the type that is built into your computer or one that plugs in with a USB cable.

1. You will need a computer where you have the capability to download the software yourself. iPads are fine but **Chromebook cannot be used with Lockdown browser.**
2. You will need an internal computer camera or an attached external camera. Please also ensure that your computer has no technical or networking problems.
3. Use the following link to watch a short video to get a basic understanding of LockDown Browser and the webcam feature. Then download and install Lockdown Browser from the link: [Respondus Lockdown Browser and Monitor with Installation Instructions](#)

Once Installed

1. Start LockDown Browser
2. Log into to Canvas
3. Navigate to the quiz

Note: You will not be able to access a quiz that requires LockDown Browser with a standard web browser. If this is tried, an error message will indicate that the test requires the use of LockDown Browser. Simply start LockDown Browser and navigate back to the exam to continue.

4. Take the **MANDATORY** quiz titled "**Practice Test**".

This practice run will help prepare you for using Lockdown Browser + Webcam before you take the actual exams. You can find this quiz at the end of this "Start Here" Module

For additional details on using Lockdown Browser, review the Student [Quick Start Guide \(PDF\)](#) ([Links to an external site.](#))[Links to an external site.](#) ([Links to an external site.](#))

If you have any issues the first time you use Lockdown/webcam, HCC online tech support should be able to resolve this for you. **Please note:** It is best for you to call them directly as technical difficulties are very specific, and they want to talk to you so they can walk you through the trouble- shooting options. The number to call is **713 718 5275-option 3**

Guidelines

When taking an online quiz, follow these guidelines:

1. You **need to commit a period** for the exam with no interruptions at that time. Please allow adequate time to complete the exam, in addition to resolving any unanticipated personal computer or networking problems.
2. You are required to show your **Photo ID** at the start of **Every** exam.
3. When prompted, show your **ENTIRE 360 Exam Environment** with your Webcam. This includes the surface (desk) your device is on and floor underneath. If you have a mounted monitor, please use a **mirror** to show your entire exam environment.
4. Prior to starting the Exam, save all opened work on the computer, close all apps, complete all computer software updates, and restart your computer. If not, your computer may lock up during the exam.
5. Please turn off all other electronics other than your laptop (as well as little brothers gaming), as they decrease your Wi-Fi bandwidth and may cause issues with Lockdown Browser.
6. Please use the restroom before taking this exam. **You will not be able to exit once you start the exam.**
7. You will have only **One Attempt** to complete the exam.
 - o What it means is that once you start the test, you must finish and SUBMIT it before logging out. You will NOT be allowed to log in the second time to take the same test.
8. Please **Do Not speak or Use Headphones** during the exam.
9. Avoid wearing baseball caps or hats that extend beyond the forehead.
10. **Focus only on the screen** and not on your surroundings (so no looking up, down or sideways!). You are not allowed to turn away from the computer or leave. **Your complete face must always remain within the Webcam's view.**
11. You may not use any other device/notes/or any kind of aid during the exam.
12. Avoid back-lighting situations, such as sitting with your back to a window. The general rule is to have light in front of your face, not behind your head.
13. Do not lie down on a couch or bed while taking an exam. There is a greater chance you will move out of the video frame or change your relative position to the webcam.
14. Do not take an exam in a dark room. If the details of your face do not show clearly during the webcam check, the automated video analysis is more likely to flag you as missing.
15. If the automatic alerting system notifies me frequently your grade **maybe lowered** for not following the above directions!!!
16. No copying/downloading exam pictures or any part of the exam.

If the above Instructions are not followed, you will receive a score of zero for the exam and it will not be able to be used as your drop exam. Further, you may receive a zero for the course. In addition, a Maxient Student Conduct report will be submitted to the HCC office. Repeat offenders may receive disciplinary action including expulsion from the college.

Remember that LockDown Browser will prevent you from accessing other websites or applications; you will be unable to exit the test until all questions are completed and submitted.

Additional Support and Encouragement

Please make sure that if you have any questions or problems at any time, that you first contact me as soon as possible. The worst thing you can do is wait to contact me or to not take advantage of the resources available to you. By taking an active part in your education, you will make your academic experience much more rewarding and exciting!!

- **Withdrawing:** I urge any student who is contemplating withdrawing from the class to see me first! You may be doing better than you think. Either way, I want to be accessible and supportive. I do not believe in "weed out" classes, and I consider you to be much more than just a name or number! If you need assistance, I am here to help.

It is the student's responsibility to withdraw from the class before the last day of withdrawal. The instructor cannot give a "W" after the withdrawal date. Abandoning the course or failing to formally drop, will result in a grade being given based on the work completed for the entire course (including missed exams).

To help students avoid having to drop/withdraw from any class, HCC has instituted an Early Alert process by which your professor will "alert" you that you might fail a class because of excessive absences and/or poor academic performance. The counselors will work with you to learn about what, if any, HCC interventions might be available to assist you – online tutoring, childcare, financial aid, job placement, etc. – to stay in class and improve your academic performance.

- **Studying:** How should you study for this course?
 - ✓ Go over your lecture notes after each lecture/lab, while the material is still fresh on your mind.
 - ✓ Although some memorization is invariably necessary when learning a new "language", the goal of learning is to understand the information, not to simply memorize a bunch of disconnected "facts". A major purpose of studying is to discover what you do not understand so that you can do something about it.
 - ✓ Do not just passively read the notes, think about them, and ask yourself questions about them. Do you understand what was said? Does it make sense and why? Compare and contrast the new information with things that you have already learned.
 - ✓ Form study groups, these are very helpful for the learning process.
 - ✓ Keep up regularly. You cannot cram all the information into your brain the night before an exam, and we may not be available to answer your questions at the last minute. For this upper division lecture and laboratory course – you should plan to **spend at least 6 hours per week OUTSIDE of class studying for this course.**
- **Taking notes:**
 - ✓ Attending class regularly and keeping good notes is essential for success in this course. Good notetaking is an acquired skill. Do not try to write full sentences – you will be so busy writing that you may miss the next point and your notes will be harder to study.
 - ✓ Instead of writing down every word during lecture, write down key phrases and use short abbreviations.
 - ✓ Cornell Notes are a valuable proven to take notes and learn from your notes. Please see the following video on how to correctly take Cornell Notes:
<https://www.teachertube.com/video/cornell-notes-for-students-avid-302936>

Biology Program Information

The Biology area of study here at HCC covers the smallest and simplest organisms (microbiology) to the largest and most complex organisms (human anatomy and physiology, zoology, botany).

Award types: Associate in Science

Area of study: Science, Technology, Engineering & Math

Please visit link: <https://www.hccs.edu/programs/areas-of-study/science-technology-engineering--math/biology/>

HCC Policies

Below is the link to the HCC Student Handbook where you can find information on the topics listed: <http://www.hccs.edu/resources-for/current-students/student-handbook/>

- Academic Information
- Academic Support
- Attendance, Repeating Courses, and Withdrawal
- Career Planning and Job Search
- Childcare
- Disability Support Services
- Electronic Devices
- Equal Educational Opportunity
- Financial Aid TV (FATV)
- General Student Complaints
- Grade of FX
- Incomplete Grades
- International Student Services
- Health Awareness
- Libraries/Bookstore
- Police Services & Campus Safety
- Student Life at HCC
- Student Rights and Responsibilities
- Student Services
- Testing
- Transfer Planning
- Veteran Services

EGLS3

The EGLS3 (Evaluation for Greater Learning Student Survey System) will be available for most courses near the end of the term until finals start. This brief survey will give invaluable information to your faculty about their teaching. Results are anonymous and will be available to faculty and division chairs after the end of the term. EGLS3 surveys are only available for the Fall and Spring semesters. EGLS3 surveys are not offered during the Summer semester due to logistical constraints.

<http://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/>

Campus Carry Link

Here's the link to the HCC information about Campus Carry:

<http://www.hccs.edu/departments/police/campus-carry/>

HCC Email Policy

When communicating via email, HCC requires students to communicate only through the HCC email system to protect your privacy. If you have not activated your HCC student email account, you can go to HCC Eagle ID and activate it now. You may also use Canvas Inbox to communicate.

Housing and Food Assistance for Students

Any student who faces challenges securing their foods or housing and believes this may affect their performance in the course is urged to contact the Dean of Students at their college for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable HCC to provide any resources that HCC may possess.

Office of Institutional Equity

Use the link below to access the HCC Office of Institutional Equity, Inclusion, and Engagement:

<http://www.hccs.edu/departments/institutional-equity/>

Disability services

HCC strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including long and short-term conditions, mental health, chronic or temporary medical conditions), please meet with a campus Abilities Counselor as soon as possible in order to establish reasonable accommodations. Reasonable accommodations are established through an interactive process between you, your instructor(s) and Ability Services. It is the policy and practice of HCC to create inclusive and accessible learning environments consistent with federal and state law. For more information, please go to:

<http://www.hccs.edu/support-services/disability-services/>

Title IX

Houston Community College is committed to cultivating an environment free from inappropriate conduct of a sexual or gender-based nature including sex discrimination, sexual assault, sexual harassment, and sexual violence. Sex discrimination includes all forms of sexual and gender-based misconduct and violates an individual's fundamental rights and personal dignity. Title IX prohibits discrimination on the basis of sex-including pregnancy and parental status in educational programs and activities. If you require an accommodation due to pregnancy, please contact an Abilities Services Counselor. The Director of EEO/Compliance is designated as the Title IX Coordinator and Section 504 Coordinator. All inquiries concerning HCC policies, compliance with applicable laws, statutes, and regulations (such as Title VI, Title IX, and Section 504), and complaints may be directed to:

David Cross
Director EEO/Compliance
Office of Institutional Equity & Diversity 3100 Main
(713) 718-8271
Houston, TX 77266-7517 or

Institutional.Equity@hccs.edu <http://www.hccs.edu/departments/institutional-equity/title-ix-know-your-rights/>

Office of the Dean of Students

Contact the office of the Dean of Students to seek assistance in determining the correct complaint procedure to follow or to identify the appropriate academic dean or supervisor for informal resolution of complaints.

<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-complaints/speak-with-the-dean-of-students/>

Department Chair Information

Dr. DeaJan Grigsby
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