



**Houston Community College
Central College
1300 Holman, Houston, TX 77004**

**Course Syllabus
Introductory Biology I (Biol 1308)
Fall 2016, CRN# 10374 & 10397
Credit: 3 Semester hours/8 weeks**

Instructor: Dr. Renu Jain

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Office Hours: Mondays/Wednesdays 1 to 3 pm,
Tuesdays/Thursdays: 9:30 am-3:00 pm,

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Course Description

This course is designed to give the students the basic knowledge of life sciences. Topics include basic biological chemistry, cellular morphology, metabolism, Mendelian and molecular genetics.

Most of you will find the material is new to you. Please set aside adequate time for study - you will probably need to spend at least 6 hours per week!!!

Student Learning Outcomes:

- Students will be able to explain the components of the scientific method including developing hypothesis, and its use in the interpretation of the scientific data.
- Students will be able to describe the structure and function of macromolecules such as carbohydrates, lipids, proteins, and nucleic acids in cells.
- Students will be able to understand and identify differences between prokaryotic and eukaryotic cells.
- Students will be able to understand energy transformations and the metabolic reactions associated with cellular activities, such as respiration, and photosynthesis.
- Students will be able to understand and explain cell division, DNA replication and protein synthesis in prokaryotic and eukaryotic cells.
- Students will be able to explain principles of genetics and solve genetic problems.

- Students will be able to understand the techniques used in biotechnology and their role in the study and manipulation of genomes.
- Students will be able to understand evolution by natural selection, and the fundamental aspects of population genetics.

Text Book

Campbell Essential Biology with Physiology, by Simon, Reece and Dickey , 1st edition, Volume I, Houston Community College, Pearson Publishing, ISBN # 9781269897914.

My recommendation is to buy a new textbook which comes packaged with MasteringBiology access code. We will be using this website as part of the course requirement.

Course Schedule

Week	Chapters	Topics to be covered
1 (8/22)	1, 2	Introduction: Biology Today, Essential Chemistry for Biology
2 (8/29)	3	The molecules of life, Mastering quizzes from chapters 1-3 due by Sep 2 midnight EXAM 1 from ch 1-3 due on EagleOnline by Sep 2-3
3 (9/5)	4 5	A tour of the Cell The Working Cell
4 (9/12)	6	Cellular Respiration, Obtaining energy from food Mastering Quizzes from chapters 4-6 due by September 16 EXAM 2 (Ch 1-6) due on Eagleonline Sep 17-18 midnight
5 (9/19)	7 8	Photosynthesis: Using Light to make food Cellular Reproduction: Cells from Cells
6 (9/26)	9	Patterns of Inheritance Mastering Quizzes from chapters 7-9 due by September 30 EXAM 3 from ch 7-9 due on Eagleonline by Oct 1-2 midnight
7 (10/3)	10 11 12	The Structure and Function of DNA How Genes are Controlled DNA Technology FINAL EXAM (on campus, testing centers, comprehensive) Oct 7-9
8 (10/10)	13	How Populations Evolve Mastering Quizzes from chapters 10-13 by Oct 12 EXAM 4 (Chapters 10-13) Online October 13-14

Important Dates:	
August 19th (online)	Last Day for drop/add
August 29	Official Day of Record
Sep 26th before 4:30 pm	Last Day for Administrative and Student Withdrawal
October 17th	Grades available to students

Exams and Grading

- **Lecture exams (70% of the grade):** There will be a total of four lecture exams. The questions will be primarily multiple choice, along with some true or false, fill in the blank, picture identification, and short essay questions. Each exam has equal weight-age with other exams. Make up exams will be given only in case of emergency and at the discretion of the instructor. The instructor reserves the right NOT to give make-up exams. You will be asked to provide documentation for an emergency that causes you to miss an exam. Lecture exams will be available online at the specific times listed in the syllabus and on eagleonline (EO). Once you begin the exam, you must finish it. You cannot re-enter the exam once the time is up. Students with disabilities who need special help taking tests as part of reasonable accommodation should contact the Office for Students with Disabilities for information regarding testing.
- **Final Exam (10% of the grade):** Final exam is a comprehensive departmental final exam which is to be taken in person at the DE testing centers. Detailed information on the location and timings of the DE testing center can be found at <http://www.hccs.edu/online/student-services/testing-locations/>. This part of the final exam will be administered on **Oct 7-9**.
- **Masteringbiology homework assignments (18% of the grade):** One homework assignment per chapter will be administered through the <http://www.pearsonmylabandmastering.com> website to help better understand the content. This website requires access code which comes packaged with the new textbook. Detailed log-in instructions to the mastering website will be provided on the course homepage.
- **Syllabus Quiz (1% of the total grade)**
- **Introductory Discussion (1% of the total grade)**

Grade Computation

3 Lecture exams (On-Line)	70%
Final exam	10%
Syllabus Quiz and Introductory Discussion	2%
MasteringBiology quizzes	18%
Total	100%

Academic Honesty

A student who is academically dishonest is, by definition, not showing that the coursework has been learned, and that student is claiming an advantage not available to other students. The instructor is responsible for measuring each student's individual achievements and also for ensuring that all students compete on a level playing field. Thus, in our system, the instructor has teaching, grading, and enforcement roles. You are expected to be familiar with the University's Policy on Academic Honesty, found in the catalog. What that means is:

If you are charged with an offense, pleading ignorance of the rules will not help you. Students are responsible for conducting themselves with honor and integrity in fulfilling course requirements. Penalties and/or disciplinary proceedings may be initiated by College System officials against a student accused of scholastic dishonesty. "Scholastic dishonesty": includes, but is not limited to, cheating on a test, plagiarism, and collusion.

Cheating on a test includes:

Copying from another students' test paper;

- Using materials not authorized by the person giving the test;
- Collaborating with another student during a test without authorization;
- Knowingly using, buying, selling, stealing, transporting, or soliciting in whole or part the contents of a test that has not been administered;
- Bribing another person to obtain a test that is to be administered.

Plagiarism means the appropriation of another's work and the unacknowledged incorporation of that work in one's own written work offered for credit.

Collusion means the unauthorized collaboration with another person in preparing written work offered for credit. Possible punishments for academic dishonesty may include a grade of 0 or F in the particular assignment, failure in the course, and/or recommendation for probation or dismissal from the College System. (See the Student Handbook).

Instructor's Incomplete Policy

The only circumstances under which you can get an I (incomplete) is if you are too ill to take the final. Once you receive an I, in order to get a grade for the course, you will have to complete the material by the end of the next full semester. If you do not, the I will convert to an F.

LOGGING ONTO Eagle online:

Eagle ADDRESS: <http://eagleonline.hccs.edu>

Student User ID/Password: Your Eagle Online 2 username/password is the same as your full HCC email, that you were issued upon admission and the password you created for your HCC Email (issued upon enrollment through the Student System). For more information on your User ID or your HCC Email password see the Eagle ID web page.

Eagle online Problems Center: For Eagle Online documentation, tutorials (including movies), phone and chat support, go to the HCC Eagle Online support website.

Phone support: 713-718-5275, option 3

Students with Disabilities

Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc) who needs to arrange reasonable accommodations must contact the appropriate HCC Disability Support Service (DSS) Counselor at the beginning of each semester. Faculty is authorized to provide only the accommodations requested by the Disability Support Services Office.

Students who are requesting special testing accommodations must first contact the appropriate (most convenient) DSS office for assistance:

Disability Support Services Offices:

System: 713.718.5165

Central: 713.718.6164 – also for Deaf and Hard of Hearing Services and Students Outside of the HCC District service areas.

Northwest: 713.718.5422

Northeast: 713.718.8420

Southeast: 713.718.7218

Southwest: 713.718.7909

After student accommodation letters have been approved by the DSS office and submitted to DE Counseling for processing, students will receive an email confirmation informing them of the Instructional Support Specialist assigned to their professor.

Education advising and Counseling Services

DE student information can be found on the DE Student Services website: de.hccs.edu. Advising or counseling can be accomplished through our online request form [AskDECounseling](#) (quickest and recommended), by telephone at 713/718-5275 - option # 4, or via email at decounseling@hccs.edu. Counselors and Student Services Associates (SSA) can assist students with admissions, registration, entrance testing requirements, degree planning, transfer issues, and career counseling. In-person, confidential sessions, can also be scheduled to provide brief counseling and community referrals to address personal concerns impacting academic success.

Course Repeater Policy

Beginning in the Fall 2006, students who repeat a course for a third or more times will face significant tuition/fee increases at HCC and other Texas public colleges and universities. Please ask your instructor and/or counselor about opportunities for tutoring/other assistance prior to considering course withdrawal or if you are not receiving passing grades.

HCC Course Withdrawal Policy

Beginning Fall 2007, the State of Texas imposes penalties on students who drop courses excessively. Students are limited to no more than SIX total course withdrawals throughout their educational career at a Texas public college or university.

To help you avoid having to drop/withdraw from any class, contact your DE professor regarding your academic performance. You may also want to contact your DE counselor to learn about helpful HCC resources (e.g. online tutoring, child care, financial aid, job placement, etc.).

HOW TO DROP

- **If a student decides to drop or withdraw from a class upon careful review of other options, the student can drop online prior to the deadline through their HCC Student Center.**

- **HCC counselors and/or instructors may drop students for excessive absences without notification** (see Class Attendance below).
- **Students should check HCC's Academic Calendar by Term for drop/withdrawal dates and deadlines.**
Fall 2016 withdrawal deadline for first 8 week session is: Sep 26th before 4:30 pm.
- 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 and distance education (DE) counselors that you might fail a class because of excessive absences and/or poor academic performance. You should visit with your DE professor or a DE counselor to learn about what, if any, HCC interventions might be available to assist you – online tutoring, child care, financial aid, job placement, etc. – to stay in class and improve your academic performance.

EGLS3 -- Evaluation for Greater Learning Student Survey System

At Houston Community College, professors believe that thoughtful student feedback is necessary to improve teaching and learning. During a designated time, you will be asked to answer a short online survey of research-based questions related to instruction. The anonymous results of the survey will be made available to your professors and division chairs for continual improvement of instruction. Look for the survey as part of the Houston Community College Student System online near the end of the term.

Early Alert Notification

The Distance Education (DE) Department utilizes an Early Alert system managed by the DE counselors to provide outreach and intervention to students who may be at risk of withdrawal or failure. Referrals to this system are typically made by a DE faculty member. If a DE professor is concerned about a student's performance in class, that student may be referred to Early Alert for counseling intervention.

Classroom Conduct

As with on-campus classes, all students in HCC Distance Education courses are required to follow all HCC Policies & Procedures, the Student Code of Conduct, the Student Handbook, and relevant sections of the Texas Education Code when interacting and communicating in a virtual classroom with faculty and fellow students. Students who violate these policies and guidelines will be subject to disciplinary action that could include denial of access to course-related email, discussion groups, and chat rooms or being removed from the class.

International Students

Receiving a W in a course may affect the status of your student Visa. Once a W is given for the course, it will not be changed to an F because of the visa consideration. Since January 1, 2003, International Students are restricted in the number of distance education courses that they may take during each semester. **ONLY ONE** online/distance education class may be counted towards the enrollment requirement for International Students per semester. Please contact the International Student Office at 713-718-8520 if you have any questions about your visa status and other transfer issues.

Social Networking

DE students are encouraged to become a fan of [DE on Facebook](http://www.facebook.com/HCCDistanceEd) <http://www.facebook.com/HCCDistanceEd> and to follow [DE on Twitter](http://twitter.com/HCCDistanceEd): <http://twitter.com/HCCDistanceEd>

These social networking sites help DE foster student engagement and provide a sense of community for the online learner. Students will also stay informed about important information and announcements.

Library Resources

As a DE student you have the same access to first-rate information resources that the HCC Libraries make available to all HCC students. A special website pulls together all the tools DE students will need to get their research rolling. Visit [Library Resources](#) specifically for Distance Education students.

Title IX and Sex Discrimination

HCC is committed to provide a learning and working environment that is free from discrimination on the basis of sex which includes all forms of sexual misconduct. Title IX of the Education Amendments of 1972 requires that when a complaint is filed, a prompt and thorough investigation is initiated. Complaints may be filed with the HCC Title IX Coordinator available at 713 718-8271 or email at oi@hccs.edu.

Have a GREAT SEMESTER and please remember to see me if any questions arise.