

BIOL 1407: General Biology II
CRN 10042 — Spring 2017
Hybrid Web-Enhanced Course
4 credit hour lecture/lab course
Lab: Tuesdays, 8:00-11:00 am, LHSB 316
Lecture: available in Canvas
96 hours per semester/ 16 weeks

Instructor: Marsha R. Turell, M.A.

Contact Information: Email: Eagle Online Canvas (preferred) or marsha.turell@hccs.edu
Phone: (713) 718-2540

Office location and hours: Please feel free to come by my office (401 LHSB) to discuss your concerns with the class or related problems. My office hours are 2:00-3:30PM, Tuesday and 10:00-11:00 AM, Thursday. If you are not free during these hours, arrange an alternate time. I will be available for tutoring during these office hours.

COURSE DESCRIPTION: General Biology II (1407) is a study of the broad diversity of organisms in the five kingdoms, evolution, the organ systems in animals and plants.

Prerequisites: Math 0106 or higher placement by testing, must be placed in college level reading and BIOL 1406: General Biology I

TEXTBOOK: *Campbell Biology, 10e*, Vol II Jane Reece, et al,
Benjamin/Cummins Publishing Co., 2014
ISBN: 9781269751919 for 1407 HCCS Custom edition

LAB MANUAL: *Biology: A Hands-On Experience, 3rd edition*, Marsha Turell and Jyoti Wagle (ed), Royal Publishing Co., 2015

Course Goal: Students should understand that evolution is a core theme of biology. They should become knowledgeable about the diversity of living organisms and develop an understanding of how organisms function

Program Student Learning Outcomes (PSLOs) for the Biology Discipline

1. Will display an understanding of biological systems and evolutionary processes spanning all ranges of biological complexity, including atoms, molecules, genes, cells, and organisms.
2. Will 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).
3. Will demonstrate proficiency and safe practices in the use of laboratory equipment and basic laboratory techniques.
4. Will apply principles of the scientific method to problems in biology in the collection, recording, quantitative measurement, analysis and reporting of scientific data.

Course Student Learning Outcomes (CSLOs):

1. Describe modern evolutionary synthesis, natural selection, population genetics, micro and macro evolution, and speciation.
2. Describe phylogenetic relationships and classification schemes.
3. Identify the major phyla of life with an emphasis on plants and animals including the basis for classification, structural and physiological adaptations, evolutionary history, and ecological significance.
4. Describe basic animal physiology and homeostasis, as maintained by organ systems.
5. Compare different sexual and asexual life cycles noting their adaptive advantages.
6. Illustrate the relationship between major geologic change, extinctions, and evolutionary trends.
7. Apply scientific reasoning to investigate questions, and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data.
8. Use critical thinking and scientific problem-solving to make informed decisions in the laboratory.
9. Communicate effectively the results of scientific investigations.

Learning Objectives:

Appropriate learning objectives will be supplied in relation to the above listed SLOs, and in accordance with the material covered in each of the text's chapters.

ALL reading and chapter activities are to be completed the each week the chapter reading is assigned. **Bring textbook/lab manual to lab. Print course schedule!!**

Week # - Lab Day	Chapter	Lecture (Online)	Lab (Tues.- LHSB 316 (8:00-11:00am))
#1-1/17	22, 23	Evolution	Introduction, Review lab safety
#2-1/24	24 25	Origin of Species History of Life on Earth	1. Population Genetics
#3-1/31	26 27	Phylogeny Bacteria and Archaea	2. Morphology and Simple Staining of Bacteria
#4-2/7	28	FIRST EXAM: Ch. 22, 23, 24, 25, 26 Feb. 7 - in lab Mastering Biology due Feb. 5 Protists	3. Kingdom Protista
#5-2/14	29, 30 35,36,38	Plants, Animal Diversity	4. A Brief Survey of the Plant Kingdom
#6-2/21	32, 33	Invertebrates	5. A Brief Survey of the Animal Kingdom
#7-2/28	34	Vertebrates	6. Human Evolution Review for Lab Practical
#8-3/7	40	SECOND EXAM: Ch. 27-30, 31, 32-34 Online in Canvas, Mar. 13-14 Mastering Biology due Mar. 12 Animal Structure and Function	1st LAB PRACTICAL: Mar. 7
#9-3/14		SPRING BREAK	
#10-3/21	41 42	Animal Nutrition Circulation and Gas Exchange	7. Animal Tissues 8. Digestive System
#11-3/28	44	Osmoregulation and Excretion	9, 10 Circulatory & Respiratory Systems
#12-4/4	45	Hormones/Endocrine	12. ABO Blood Typing
#13-4/11	46	THIRD EXAM: Ch. 40-42, 44-45 Apr. 11 – in class Mastering Biology due Apr. 9	8. Fetal Pig dissection
#14-4/18	48	Neurons	13. Excretory System Ecology presentations Review for lab practical
#15-4/25	52, 53	Introduction to Ecology Population Ecology	2nd Lab Practical: April 25
#15-5/2	54, 55	Community Ecology Ecosystems and Restoration Ecology	14. Animal Reproduction
#16-5/9		FOURTH EXAM: Ch. 46,48, 52-55 May 6-7 – Online in Canvas Mastering Biology due May 7	Cumulative District Final: May 9

Instructional Methods:

- As this is an online course for the lecture component student initiative is required to keep up with the course. I will provide materials in the form of class notes and Power Points which you can use while reading the textbook. The Eagle online course will be accessible with a login and password and are to be used only for this course and only by you, the student.
- Because learning requires active (not passive) involvement on the part of the learner, you must come to class **prepared**. This includes having studied and being ready to work with all reading and other materials assigned prior to attempting any assessments. Minimum preparation is taking notes and thinking about personal application of the text material.
- Instruction also includes use of lab materials and equipment through demonstration, and hands on lab activities. We will meet ONCE per week (Tuesdays) in the laboratory to do lab exercises that help with understanding of the course material. You will complete the lab exercise in class and **turn it in at the end of class for review**. During lab, we will also review relevant lecture material.
- The course is an integration of 3 parts, a standard textbook, the Canvas online course, and in-class review and laboratory. Students must buy and read the correct textbook. The online course includes notes on material covered in the text as you might expect to take in a regular class. These notes are not designed to be a comprehensive review, but an overview of material covered in the text with added insights provided by your instructor. They may be updated during the course.
- There are also graded homework assignments that will help clarify difficult concepts in the course. Included in these assignments are animations, activities and questions related to the topics. This is part of “Mastering Biology”, which is a companion to the course textbook. See end of syllabus for access code for Mastering.

ACCESS TO COURSE

Your Eagle Online Canvas login user ID will be [your HCC User ID \(sometimes referred to as the “W” number\)](#). All HCC students have a unique User ID. If you do not know your User ID you can look it up by visiting the HCC home page:

- From www.hccs.edu, click on “Login Help” under the “Student System Sign In” field
- Then click on “Retrieve User ID” and follow the instructions.

Or use the direct link: <https://hccs.instructure.com>

Eagle Online Canvas URL: The default student password is “distance.” You will then be prompted to change your password after their first login.

Eagle Online Canvas PROBLEM CENTER: <http://de.hccs.edu/technical-support/>
Please go to this website if you have technical problems with using Canvas. You will find a 24/7 phone number you can call, an opportunity for live chat with a technician, and a FAQ section for students.

Attendance: You are expected to attend all labs regularly. You are also responsible for materials covered during your absences. Instructors may be willing to consult with you for make-up assignments, but it is your responsibility to contact the instructor. Class attendance is monitored daily. It is your responsibility to drop a course for nonattendance. Instructors are not permitted to withdraw students

EXAMS AND GRADING:

- There will be a total of four lecture exams. Each exam will contain a number (50-70) of multiple-choice questions. Multiple choice questions need to be answered on the scantron. Each exam may also have bonus questions, which can be multiple choice, fill in the blanks, labeling or short essay. Each exam has an equal value as the other exams (100 pts each). The fourth lecture exam is not cumulative.
- All lecture exams are closed book. **NO MAKE-UP exams will be given.** If you miss an exam it automatically becomes your drop exam, if you miss two exams it is suggested to withdraw from the course.
 - The HCCS Biology Program has instituted a compulsory district-wide standardized final. The questions will be tied to the SLOs stated in the syllabus for this course. The district final will be a comprehensive cumulative multiple-choice exam. The appropriate dean, director, or department chair must approve any variation to this schedule.
- **Homework Assignments:** 100 points of your grade is with homework activities for each chapter through Mastering Biology. These activities may include questions and animations to answer. For each unit you will do the chapters for that unit and they are due the day of each lecture exam. The link to Mastering Biology is found in your Eagle Online course. The course ID for Mastering Biology is **turell23782**. [See instructions at end of the syllabus for logging in to the site and registration.](#)
- **Lab Participation:** This includes your activity in lab, as well as completion of the lab reports. In addition, the pre-lab portion of the lab must be completed **prior** to coming to the lab. This is worth 50 points toward your grade.
- **Lab Practical Exams:** There will be two lab practicals during the course. These will be explained in detail during our lab sessions. Each practical will be worth 100 points.
- Out of the four lecture exams and the two lab practical exams you have a choice to drop one exam. Your lowest grade automatically becomes your drop grade. Lecture and lab exams account for 500 points of your total course grade.
- **Extra credit** assignment: may be given during the semester. Details are as follows:

You may submit a portfolio of collected newspaper articles relating to developments in biology, health, medicine. Attached to each article should be a short summary of the research, including the key people involved, the journal which published the research findings, and any applications or consequences this may have to individuals or society.

The summary should be at least one-half page. To receive full credit, a **minimum of four** articles should be in the portfolio.

These articles should be from the newspaper or magazine. The summaries should be typed, if possible. **The portfolio is due no later than April 27th.** Examples of periodicals include Scientific American (available either in the library or online at www.sciam.com), Science, Newsweek, and Time. Newspaper articles can be obtained from the Houston Chronicle or the New York Times (both are available in the library, or on the internet – www.houstonchronicle.com and www.nytimes.com) The NY Times has an excellent Science News section every Tuesday.

******Please see me to insure that you are choosing the right type of article!!**

GRADE COMPUTATION

5 exams (of 4 lecture + 2 lab, lowest 1 will be dropped)	500 pts (69.44%)
District Final	70 pts (9.73%)
Homework (on Mastering Biology)	100 pts (13.89%)
Lab reports/Case studies	50 points (6.94%)
Total	720 pts (100%)

Grade Scale: A = 648-720 (90-100%), B = 576-647.9 (80-89.9%), C= 504-575.9 (70-79.9%), D=432-503.9 (60-69.9%), F = 0-431.9 (Below 60%)

Issuance of Exam Grades:

Grades will be posted on the Internet as soon as possible. Go to the course homepage, and check your grade under “My Grades” tool. This tool will have all your quiz, assignment and exam grades.

Exam grades will be posted in Eagle Online Canvas during the semester. You can check your final grade on the web site www.hccs.edu. The HCC system office no longer mails transcripts to you.

COMMUNICATION: Most announcements will appear on the homepage of the Eagle Online Canvas course. Check these announcements each time you login. Email me through the Canvas course. You may not use your personal email to contact me.

Your success is our primary concern! If you are experiencing challenges achieving your academic goals, please contact me or an early intervention counselor.

Counseling Services

Counseling services are available to students who are experiencing difficulty with academic issues, selection of college major, career planning, disability accommodations, or personal issues.

SUGGESTED STUDY TIPS FOR GENERAL BIOLOGY!

1. You may find it helpful to define important terms, using notecards is a good way to do this. However, knowing the key terms just provides the **foundation** for understanding key concepts in biology. It is important to relate terms to fully understand and synthesize information we discuss.

2. Read the chapter outline at the end of each chapter.
3. Try to answer the questions at the end of each chapter. If you cannot figure out the answers, be sure to ask me when we have lab.
4. Your Eagle Online Canvas course plus Mastering Biology has many resources from the publisher, including a glossary of terms, quizzes, animations and many interactive exercises, in addition to the assigned homework.
5. A Biology tutor will be available **at no cost** to students during the semester. The tutoring schedule will be posted in the classroom can be found online at <http://www.hccs.edu/findatutor> . If needed, see the tutor early, not the day before the exam. The tutoring lab (Learning Emporium) at Central campus is located in the San Jacinto building, 3rd floor.
6. **ONLINE TUTORING:** HCC provides free online tutoring in writing, math, science, and other subjects. Click here to access [Upswing Online Tutoring](#) Use your student ID or HCC e-mail address to create an account.
7. Exchange phone numbers with some of your classmates; you may want to form a study group or need to find out about missed classes or assignment.
8. Lab study pages are available on line to review lab materials as well. Here is the link: www.hccs.edu/biologylabs

Important Dates	
January 17	Classes Begin
February 1	Official Day of Record
February 2	Last day for 70% refund
February 8	Last day for 25% refund
February 20	President's Day holiday
March 13-18	Spring Break
April 3	Last Day for Administrative and Student Withdrawal (4:30pm)
April 14	Spring holiday
May 8-13	Final Exams
May 14	Semester Ends

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 near the end of the term, 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 department chairs for continual improvement of instruction. Go to www.hccs.edu/egls3 for more information.

HCC Policy Statement: ADA

HCCS is dedicated to providing the least restrictive environment for all students. We promote equity in academic access through the implementation of reasonable accommodations as required by the Vocational Rehabilitation Act of 1973, Title V,

Section 504 and the Americans with Disabilities Act of 1990 (ADA) which will enable students with disabilities to participate in and benefit from all post-secondary educational activities.

If you require reasonable accommodations because of a physical, mental, or learning disability, please contact the Counseling Office to obtain the necessary information to request accommodations. Upon completion of this process, please notify your instructor as soon as possible and preferably before the end of the first two weeks of class to arrange for reasonable accommodations.

<u>Disability Support Services Offices</u>	
Central College 713.718.6164	Coleman College 713-718-7376
Northeast College 713-718-8322	Northwest College 713-718-5667 713-718-5408
Southeast College 713-718-7053	Southwest College 713-718-7909
Adaptive Equipment/Assistive Technology 713-718-6629 713-718-5604	Interpreting and CART services 713-718-6333

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.

Title IX Information

Title IX of the Education Amendments of 1972 requires that institutions have policies and procedures that protect students' rights with regard to sex/gender discrimination. Information regarding these rights are on the HCC website under Students-Anti-discrimination. Students who are pregnant and require accommodations should contact any of the ADA Counselors for assistance.

It is important that every student understands and conforms to respectful behavior while at HCC. Sexual misconduct is not condoned and will be addressed promptly. Know your rights and how to avoid these difficult situations.

Log in to: www.edurisksolutions.org . Sign in using your HCC student e-mail account, then go to the button at the top right that says **Login** and enter your student number.

ACADEMIC INTEGRITY

This instructor is committed to a high standard of academic integrity in the academic community. In becoming a part of the academic community, students are responsible for honesty and independent effort. Failure to uphold these standards includes, but is not limited to, the following: plagiarizing written work or projects, cheating on exams or

assignments, collusion on an exam or project, and misrepresentation of credentials or prerequisites when registering for a course.

- Cheating includes looking at or copying from another student's exam, orally communicating or receiving answers during an exam, having another person take an exam or complete a project or assignment, using unauthorized notes, texts, or other materials for an exam, and obtaining or distributing an unauthorized copy of an exam or any part of an exam.
- Plagiarism means passing off as his/her own the ideas or writings of another (that is, without giving proper credit by documenting sources). Plagiarism includes submitting a paper, report, or project that someone else has prepared, in whole or in part.
- Collusion is inappropriately collaborating on assignments designed to be completed independently. These definitions are not exhaustive.
- When there is clear evidence of cheating, plagiarism, collusion, or misrepresentation, disciplinary action may include but is not limited to requiring you to retake or resubmit an exam or assignment, assigning a grade of zero or "F" for an exam or assignment; or assigning a grade of "F" for the course. Additional sanctions including being withdrawn from the course, program or expelled from school may be imposed on a students who violate the standards of academic integrity.

COURSE WITHDRAWALS (6-Drop Rule)

Students must withdraw by the withdrawal deadline in order to receive a "W" on a transcript. Final withdrawal deadlines vary each semester and/or depending on class length, please visit the online Academic Calendar, any HCC Registration Office, or any HCC advisor to determine class withdrawal deadlines.

Be certain you understand HCC policies about dropping a course and consult with a counselor/advisor to determine if withdrawing is in your best interest. It is your responsibility to withdraw officially from a class and prevent an "F" from appearing on your transcript. Senate Bill 1231 limits the number of W's a student can have to 6 classes over the course of their entire academic career. This policy is effective for students entering higher education for the first time in fall 2007 and subsequent terms. Withdrawals accumulated at any other Texas public higher education institution count toward the 6 course total. Withdrawals for certain circumstances beyond the students control may not be counted toward the 6-drop limit.

Departments and programs governed by accreditation or certification standards may have different attendance policies. Administrative drops are at the discretion of the instructor. Failure to withdraw officially can result in a grade of "F" or "FX" in the course

In addition, withdrawing from a course may impact your financial aid award or eligibility. Contact the Financial Aid Office or website to learn more about the impact of withdrawing on financial aid.

Final Withdrawal Deadline for Regular Term, April 3, 2017, 4:30pm

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.

- Students should check HCC's Academic Calendar by Term for drop/withdrawal dates and deadlines. Classes of other duration (mini-term, flex-entry, 8-weeks, etc.) may have different final withdrawal deadlines. Please contact the HCC Registrar's Office at 713.718.8500 to determine mini-term class withdrawal deadlines.

REPEATING COURSES (THREE-PEAT RULE)

As a result of recent Texas legislative changes, please be advised that HCC is charging additional tuition for students who enroll in the same class three or more times at HCC. While it is the hope of HCC that students will be successful in their first attempt at classes, we realize that life demands, academic struggles, and other issues may result in students needing to take the same class more than once. Speaking with an advisor will help you develop student success skills, improving your overall academic performance. If a student repeats a course in which a grade (A-F) has been received, the highest grade received at HCC is the permanent grade for the course and will be used in computing the GPA. All grades earned in a given course will be reflected on the transcript. Other colleges may compute the GPA differently than HCC.

INTERNATIONAL STUDENTS

International Students are restricted to ONLY ONE online/distance education class per semester. Please contact the International Student Office at 713-718-8520 if you have additional questions about your visa status.

COMPUTER VIRUS PROTECTION

Computer viruses are, unfortunately, a fact of life. Using removable devices on more than one computer creates the possibility of infecting computers and diskettes with a computer virus. This exposes the computers of the college, your personal computer, and any others you may be using to potentially damaging viruses. The college has aggressive anti-virus procedures in place to protect its computers, but cannot guarantee that a virus might not temporarily infect one of its machines. It is your responsibility to protect all computers under your control and use and ensure that each diskette you use, whenever or wherever you use it, has been scanned with anti-virus software. Since new viruses arise continually, your anti-virus software must be kept current. And, since no anti-virus software will find every virus, keeping backup copies is extremely important.

EQUAL OPPORTUNITY STATEMENT

It is the policy of the HCCS to provide equal employment, admission and educational opportunities without regard to race, color, creed, national origin, gender, age, veteran's status, sexual orientation, or disability.

STUDENT BEHAVIOR EXPECTATIONS

Students are expected to conduct themselves appropriately while on College property or in an online environment. The instructor would institute established HCCS disciplinary action. Students who pose a threat to the safety of others will be subject to immediate withdrawal from the classroom. Please refer to the HCC Student Handbook.

FERPA

The academic, financial and non-directory information on your student account is confidential and protected by the Family Educational Rights & Privacy Act (FERPA). We cannot release certain information to another person without your written authorization. Further information regarding Student Records and FERPA can be found at; <http://www.hccs.edu/district/about-us/procedures/student-rights-policies--procedures/>

Success in this course depends solely on the individual student!

The following are strongly recommended for each student:

- Read and understand all elements of the Syllabus, and Student handbooks. Give your instructor both day and evening phone numbers and your e-mail address.
- Read and comprehend the required chapters in the textbook prior to the exams.
- Successfully complete all requirements of this course as outlined in this document.
- Contact me if you have any questions regarding any element of the course you do not understand.

HINT: Work hard from the beginning of the semester rather than playing "catch-up" during the second half of the semester!!

RULES, REGULATIONS AND OTHER INFO

1. Textbook and lab manual is required.
2. Full class attendance in lab is required. Students with more than four unexcused absences may result in an administrative withdrawal. Students are responsible for everything covered during their absence, and it is the student's responsibility to consult with the instructor for make-up assignments.
3. **NO MAKE-UP EXAMS WILL BE GIVEN.** If you are late for a lecture or a lab exam, you will be allowed to take the exam as long as no one else has completed the exam and left the room. Also, you will get only the remaining time to take your exam.
4. The lecture exams will consist of various types of questions including multiple choice, completion, matching, diagrams, definitions and essays.
5. **Technology in the classroom:** NO technology (cell phones, computers, cameras, ear phones, etc.) are allowed in the classroom unless permitted by your professor. Cellular phones (and other technology) create annoying and unnecessary interruptions and distractions to you, your classmates, and the professor during class. Take the responsibility and be courteous, and show respect. Please **switch them OFF or leave them at home.** If unpermitted technology is used during a test, a grade of F will automatically be assigned.
6. For all communication to me use Canvas. That is how I will communicate with you. **Do not use your personal email,** as faculty are not permitted to respond to personal email.
7. No children are allowed in the laboratory.
8. Eating, or smoking is NOT allowed in the laboratory.
9. You must read the laboratory safety rules before doing any of the lab exercises.
10. The laboratory safety release form must be signed during the first lab session.
11. Lab reports are an important part of the course and to be handed in at the end of the lab period. Although students work in groups, individual active participation is expected. You are each responsible for the completion of your individual lab report.
12. Grades will be posted in Eagle Online. You may contact me to find out about your status at any time during the semester, or review your grades on Eagle Online.

TIPS FOR NAVIGATING THROUGH THE INTERNET COURSE:

- **Course Content:** We will be completing chapters 22-50 in this course. The course is organized into four units with lecture notes and PowerPoints for each chapter.
- For most chapters, there will be a homework quiz, which will be graded,
- **Inbox:** to check email.
- **Calendar:** will have important listings by date.
- **Homepage:** Usually I update you with new information on the homepage, as well as the calendar. So please check your course each day.
- **Lecture notes:** You can access my 1407 class notes from Eagle Online Canvas. These notes/key words are important for the lecture exams, they may cover a few additional topics which are not in the textbook, therefore refer to these notes as guidelines for the exam.
- **Power Points:** Power Points are available for each chapter in the pdf. format.

Have a GREAT SEMESTER and please remember to contact me if any questions arise!!

Information about Mastering Biology

Mastering Biology is a study tool that you will use during the semester. I have assigned weekly homework assignments for each chapter that will help you get ready for exams. These assignments will be due on Sundays, the week after that chapter is assigned in the syllabus. All these assignments are currently available so you can attempt them and work on them earlier than the due date (that is preferable). With your Campbell Biology textbook you received an access code for Mastering Biology.

The url for the website is www.pearsonmastering.com

The course number for you to register for this course is: **turell23782**

If you have any questions, don't hesitate to contact me through your course. The instructions below are from the Pearson website.

It's very important that you either purchase your book/access code bundle from the HCC Bookstore OR purchase directly online via the registration process on the Pearson MyMathLab website HCC has custom courses set up with a negotiated price for HCC students – *if an access code is purchased at any other retailer, it will not work.*

Mrs. Turell

Get Started

With Pearson's

Modified Mastering

First, make sure you have these 3 things...

Email: You'll get some important emails from your instructor at this address.

Course ID: Ask your instructor for your Course ID!

Access code or credit card: The required access code comes either with your book or by itself at your bookstore. Alternatively, you can buy instant access with a credit card or PayPal account during registration.



Next, get registered!

1. Go to www.pearsonmylabandmastering.com.
2. Under Register, select **Student**.
3. Confirm you have the information needed, then select **OK! Register now**.
4. Enter your instructor's Course ID (it looks something like instructor12345), and **Continue**.
5. Enter your existing Pearson account **username** and **password** to **Sign In**.
 - o You have an account if you have ever used a Pearson MyLab & Mastering product, such as MyMathLab, MyITLab, MySpanishLab, MasteringBiology or MasteringPhysics.
 - o If you don't have an account, select **Create** and complete the required fields.
6. Select an access option.
 - o Enter the access code that came with your textbook or was purchased separately from the bookstore.
 - o Buy access using a credit card or PayPal account.
 - o If available, get temporary access by selecting the link near the bottom of the page.
7. From the "You're Done!" page, select **Go to My Courses**.
8. On the "My Courses" page, select the course to start your work.

To sign in later:

1. Go to www.pearsonmylabandmastering.com.
2. Select **Sign In**.
3. Enter your Pearson account **username** and **password**, and **Sign In**.
4. Select the course to start your work.

To upgrade temporary access to full access:

1. Go to www.pearsonmylabandmastering.com.
2. Select **Sign In**.
3. Enter your Pearson account username and password, and **Sign In**.
4. Select **Upgrade Access**.
5. Enter an access code or buy access with a credit card or PayPal account.