
Unique Numbers: 48395, 48400, 48405, 48410, 48415, 48420, 48515, 48520, 48525, 48530, 48535, 48540

Meeting Time & Place: MWF 12:00 pm BUR 212, MWF 1:00 pm BUR 108

Instruction Modality: In-person

Instructor: Dr. E. Jane Bradbury, Ph.D.

E-mail: e.jane.bradbury@utexas.edu

Office Hours via Zoom: W 2 pm & F 11 am; additional times by appointment

TA information: Please see the Course Resources section of Canvas

COURSE DESCRIPTION:

Introduction to Biology I is the primary foundational course in biology at UT, Austin. As such, it will provide a comprehensive introduction to the key themes of biology, including biological macromolecules, cell structure and function, energy transformation via cellular respiration and photosynthesis, molecular genetics, and cellular division. This course is intended for science majors and pre-health profession students. However, any student meeting the prerequisite may attend (credit or concurrent registration in Chemistry 301). **If you are not a science or pre-health major, I encourage you to investigate BIO 302G as an option to fulfill your science requirement.** Additionally, though this course is a Biology course, I encourage all students to also view it as a *language* course—there are more new vocabulary words in the average introductory biology course than in an introductory foreign language course!

COURSE PRE-REQUISITES:

CH 301 is a required pre-requisite or co-requisite for this course.

CORE OBJECTIVES:

This course may be used to fulfill three hours of the natural science and technology (Part I or Part II) component of the university core curriculum and addresses the following four core objectives established by the Texas Higher Education Coordinating Board: communication skills, critical thinking skills, teamwork, and empirical and quantitative skills.

By the end of this course, students should be able to:

- 1) Provide at least three detailed examples that demonstrate how biological systems evolve structure that relates to function.
- 2) Diagram how energy is stored, used, and transformed in living systems;
- 3) Describe how genetic information is transmitted through DNA replication and cell division and expressed in a regulated manner.



TEACHING & LEARNING PHILOSOPHY:

An important part of succeeding in this course is understanding the underlying philosophy behind my teaching strategies. Education should be valued for its ability to grow and strengthen the mind. I expect you to be engaging in this course because you desire to improve yourself and your cognitive abilities. This attitude carries with it an implicit sense of self-responsibility for one's own learning. I am not here to *teach you* as much as I am here to *help you learn*. I always do my best to craft my courses to provide a diverse set of learning opportunities. One tool available to you will be the traditional lecture. However, just as much of the course content will be communicated with readings and other exercises. I cannot tell you "everything you need to know"—that's not how true learning works. However, I am committed to providing you with the best possible learning environment to expand your understanding of the science and systems of life. **Most importantly**, do not wait for a small problem to become a large one before asking for help!

CLASS FORMAT:

This semester we are returning to a full-time face-to-face in-person teaching format for the first time since Spring 2020! However, there will still be many homework assignments that will be assigned and submitted online and all Quizzams will be given online. For each class period, you will have an online "Pre-Class Activity" homework due prior to class, in-class challenge questions due during class, and an online "Post-Class Activity" homework due before the next class time. **You must be present in person in lecture to answer the lecture challenge questions.** Credit will be earned during *every* lecture period in the semester.

There are no mid-term exams. Instead, there are 6 "Quizzams" worth 25 points each that occur approximately every 2 weeks, though not precisely. These Quizzams are closed-book, closed-note, and bound to the University Honor Policy (stated at the end of the syllabus). Though they are proctored securely online, you will be expected to log on to Zoom with your camera on for the duration of the Quizzam.

Additionally, you will have a weekly "Enhancement Activity" that is intended to provide either greater depth of understanding to the material or practice in one of the critical skills required for succeeding in Biology. Every week, you have a scheduled optional study session with your course TA (this is the fourth course time on your schedule that happens only once per week). You can use that time to complete the Enhancement Activities or to ask any other questions you may have on the material. **Attendance to these Study Sessions is strongly recommended, even though it is not mandatory.** However, completion of the weekly Enhancement Activity *is* mandatory, whether you do it at home or during your study session.

DIVERSITY, EQUITY, & INCLUSION:

It is my intent that students from all diverse backgrounds and perspectives be well served by this course, that students' learning needs be addressed, and that the diversity that students bring to this class can be comfortably expressed and be viewed as a resource, strength and benefit to all students. Please come to me at any time with any concerns.

**DISABILITY & ACCESS:**

The university and your teaching team are committed to creating an accessible and inclusive learning environment consistent with university policy and federal and state law. Please let me know if you experience any barriers to learning so I can work with you to ensure you have equal opportunity to participate fully in this course. If you are a student with a disability, or think you may have a disability, and need accommodations please contact Disability & Access (D&A). Please refer to the D&A website for more information: <http://diversity.utexas.edu/disability/>. If you are already registered with D&A, please deliver your Accommodation Letter to me as early as possible in the semester so we can discuss your approved accommodations and needs in this course.

ABSENCE POLICY & COVID-19:

The teaching team understands that we are living through a prolonged global crisis and that COVID-19 is still actively circulating in the community. **Do not come to any in-person course offering if you feel unwell or suspect you may have COVID-19.** *Your mental, physical, and spiritual health is the utmost priority.* If you miss a lecture or assignment, you may come to **any** office hours within one week of the missed deadline to make it up. Quizzams, however, will require documentation of verified illness or other personal crisis through the Office of Student Emergency Services to be given a make-up opportunity. If there are any students who will be missing class due to a University-sponsored event or religious observance, **you must notify Dr. Bradbury with appropriate documentation in the first week of class.**

RE-GRADE POLICY:

There are no re-grade opportunities outside of keying or rubric errors.

Q-DROP POLICY:

The last day to drop the class is January 25, 2023. After this day, if you decide you must withdraw from the class, you will need to initiate a Q-drop before March 21, 2023. [You can read the full University Q-Drop Policy here.](#)

OTHER COURSE POLICIES:

1. Sharing of course materials of any kind is strictly prohibited without written permission from Dr. Bradbury. Violation of this policy may result in your permanent expulsion from class and initiation of Student Misconduct Proceedings.
2. Course recordings by students are not permitted, however official recordings will be provided through the University Lecture Capture System.

REQUIRED MATERIALS AND TECHNOLOGIES:

- *Campbell In Focus, 3rd Ed.*, Urry, et al. \$27.28 online
- Student subscription to the in-class online interactive learning platform TopHat
- Either a computer or smart phone with capacity to access Canvas and TopHat
- Access to Zoom and the associated necessary video camera and headphones

**COURSE POINTS ALLOCATION:**

| Assessment | Points |
|-------------------------------|-------------------|
| Homework Assignments | 300 |
| Lecture Engagement | 100 |
| 6 “Quizzams” @ 25 points each | 150 |
| Cumulative Final Exam | 100 |
| <i>Total Points</i> | <i>650</i> |

OFFICIAL UNIVERSITY OF TEXAS AT AUSTIN GRADING SCALE:

| Percentage | Letter Grade |
|-------------------|---------------------|
| 94% and above | A |
| 90% - 93.99% | A- |
| 87% - 89.99% | B+ |
| 84% - 86.99% | B |
| 80% - 83.99% | B- |
| 77% - 79.99% | C+ |
| 74% - 76.99% | C |
| 70% - 73.99% | C- |
| 67% - 69.99% | D+ |
| 64% - 66.99% | D |
| 60% - 63.99% | D- |
| 59.99% and below | F |



UNIVERSITY POLICIES & RESOURCES:

Title IX Disclosure: Beginning January 1, 2020, Texas Education Code, Section 51.252 (formerly known as Senate Bill 212) requires all employees of Texas universities, including faculty, to report any information to the Title IX Office regarding sexual harassment, sexual assault, dating violence and stalking that is disclosed to them. Texas law requires that all employees who witness or receive any information of this type (including, but not limited to, writing assignments, class discussions, or one-on-one conversations, or third party reports) must be report it. Before talking with me, or with any faculty or staff member about a Title IX related incident, please remember that I will be required to report this information to the Title IX Coordinator. If you would like to speak with someone who can provide support or remedies without making an official report to the university, please email supportandresources@austin.utexas.edu. For more information about reporting options and resources, visit <http://www.titleix.utexas.edu/>, contact the Title IX Office via email at titleix@austin.utexas.edu, or call 512-471-0419.

Although graduate teaching and research assistants are not subject to Texas Education Code, Section 51.252, they are still mandatory reporters under Federal Title IX laws and are required to report a wide range of behaviors we refer to as sexual misconduct, including the types of sexual misconduct covered under Texas Education Code, Section 51.252. The Title IX office has developed supportive ways to respond to a survivor and compiled campus resources to support all impacted by a Title IX incident.

Religious holy days: By [UT Austin policy](#), you must notify me of your pending absence as far in advance as possible of the date of observance of a religious holy day. If you must miss a class, an examination, a work assignment, or a project in order to observe a religious holy day, you will be given an opportunity to complete the missed work within a reasonable time after the absence.

Disability & Access: The university is committed to creating an accessible and inclusive learning environment consistent with university policy and federal and state law. Please let me know if you experience any barriers to learning so I can work with you to ensure you have equal opportunity to participate fully in this course. If you are a student with a disability, or think you may have a disability, and need accommodations please contact Disability & Access (D&A). Please refer to the D&A website for more information: <http://diversity.utexas.edu/disability/>. If you are already registered with D&A, please deliver your Accommodation Letter to me as early as possible in the semester so we can discuss your approved accommodations and needs in this course.

Policy on Scholastic Dishonesty: Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from the University. Policies on scholastic dishonesty will be strictly enforced. For further information, please visit the Office of Student Conduct and Academic Integrity website at <http://deanofstudents.utexas.edu/conduct/>.



Use of E-mail for Official Correspondence to Students: All students should be familiar with the University's official e-mail student notification policy. It is the student's responsibility to keep the University informed as to changes in his or her e-mail address. Students are expected to check e-mail on a frequent and regular basis in order to stay current with University-related communications, recognizing that certain communications may be time-critical. The complete text of this policy and instructions for updating your e-mail address are available at <http://www.utexas.edu/its/policies/emailnotify.html>.

Basic Needs Security: Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support. UT maintains the [UT Outpost](#), which is a free on-campus food pantry and career closet. Furthermore, if you are comfortable notifying me, please do so, as I may have additional resources I can share.

Land Acknowledgement: I would like to acknowledge that we are meeting on the Indigenous lands of Turtle Island, the ancestral name for what now is called North America. Moreover, I would like to acknowledge the Alabama-Coushatta, Caddo, Carrizo/Comecrudo, Coahuiltecan, Comanche, Kickapoo, Lipan Apache, Tonkawa and Ysleta Del Sur Pueblo, and all the American Indian and Indigenous Peoples and communities who have been or have become a part of these lands and territories in Texas.

Sharing of Course Materials is Prohibited: No materials used in this class, including, but not limited to, lecture hand-outs, videos, assessments (quizzes, exams, papers, projects, homework assignments), in-class materials, review sheets, and additional problem sets, may be shared online or with anyone outside of the class without explicit, written permission of the instructor. Unauthorized sharing of materials promotes cheating. The University is well aware of the sites used for sharing materials, and any materials found online that are associated with you, or any suspected unauthorized sharing of materials, will be reported to [Student Conduct and Academic Integrity](#) in the Office of the Dean of Students. These reports can result in sanctions, including failure of the course.

University of Texas Honor Code: "As A Student Of The University Of Texas At Austin, I Shall Abide By The Core Values Of The University And Uphold Academic Integrity."

Counseling & Mental Health Center (CMHC): All of us benefit from support during times of struggle. Know you are not alone. If you or anyone you know is experiencing symptoms of stress, anxiety, depression, academic concerns, loneliness, difficulty sleeping, or any other concern impacting your wellbeing – you are strongly encouraged to connect with CMHC. The Counseling and Mental Health Center provides a wide variety of mental health services to all UT students including crisis services, counseling services with immediate support and well-being resources. Additionally, CARE Counselors are located within the academic schools and colleges. These counselors get to know the concerns that are unique to their college's students. For more information on CMHC, visit <https://cmhc.utexas.edu> or call 512-471-3515.



University Health Services (UHS): Your physical health and wellness are a priority. University Health Services is an on-campus high-quality medical facility providing care to all UT students. Services offered by UHS include general medicine, urgent care, a 24/7 nurse advice line, gynecology, sports medicine, physical therapy, lab and radiology services, COVID-19 testing and vaccinations and much more. For additional information, visit <https://healthyhorns.utexas.edu> or call 512-471-4955.

Sanger Learning Center: Did you know that more than one-third of UT undergraduate students use the Sanger Learning Center each year to improve their academic performance? All students are welcome to take advantage of Sanger Center's classes and workshops, private learning specialist appointments, peer academic coaching, and tutoring for more than 70 courses in 15 different subject areas. For more information, please visit <https://ugs.utexas.edu/slc> or call 512-471-3614 (JES A332)."

Student Emergency Services (SES): Student Emergency Services in the Office of the Dean of Students helps students and their families during difficult or emergency situations. Assistance includes outreach, advocacy, intervention, support, and referrals to relevant campus and community resources. If you need to be absent from class due to a family emergency, medical or mental health concern, or academic difficulty due to crisis or an emergency situation, you can work with Student Emergency Services. SES will document your situation and notify your professors.

Contact <https://deanofstudents.utexas.edu/emergency/> or by calling 512-471-5017.