
INTRODUCTION TO LIFE SCIENCES II

BIOL 1302
Spring 2024

Instructor: Jared Dickson, MS.

Office: BEP 104

Email: jdickson@uttyler.edu

Phone: 903-566-6329

Office hours: Tuesdays 1PM – 4PM, or by appointment

Course Objectives: Biology 1302 is the second of two courses designed to help understand the scientific study of life at the organismal, population, and community levels including form, function, reproduction, taxonomy, systematics, ecology, and evolutionary history of biodiversity.

Student Learning Outcomes: After this class you should be able to...

- To define biology, comprehend and apply the scientific process.
- To describe and understand the concept of evolution as genetic change in a population over time. To show how evolution is a unifying theme in biology.
- To describe the concept of phylogeny and apply it to prokaryotes, protists, plants, fungi, and animals.
- To describe and understand vertebrate anatomy and physiology.
- To describe and understand the ecology of population, communities, ecosystems, and the biosphere. Understand the role of humans in the ecology of the biosphere.
- To understand the significance of biology to you and your life and apply the knowledge acquired to making educated decisions as a member of society.
- To apply new learning and studying skills to your life

Textbook: C. Belk and V. B. Maier. 2019. Biology: Science for Life with Physiology. 6th Edition. Pearson Benjamin Cummings. NY.

Grading:

Regular Exams (3): 40%

Final Exam (Comprehensive): 25%

Assignments: 15%

Quizzes: 10%

Participation: 10%

*** MasteringBiology assignments can be used to replace the lowest regular exam score (Final exam not included)**

Exam policy: There will be three regular exams during the semester and a **comprehensive** final. The first three exams will consist of approximately 50 questions (2pts each), while the comprehensive final will consist of approximately 100 questions (1pt each). All exams will be multiple-choice questions. The comprehensive exam will contain new and old content (terminology seen on all old exams). Many **questions** will be taken from **lecture content**. **Be warned that I typically DO NOT curve exams, so don't bother to ask! Exams will be scored using the 882-E Green Scantrons. You will need to purchase your scantrons prior to taking the exams!**

Make-up Exams: If you are unable to take an exam when scheduled, a make-up exam will be arranged **ONLY** if the instructor is notified, and arrangements are made **IN ADVANCE**. Additionally, you must take the exam **before** the regularly scheduled exam time. Make-up exams may consist entirely of essay questions.

Quizzes: There will be **at least 7-14 quizzes** during the semester. For each quiz, you will have 10-15 minutes to complete each quiz. If you arrive to class after a quiz has started, you will only have the time remaining on the quiz clock to complete your quiz. Only your **top 7 highest quiz scores** will count toward your grade. If you miss a quiz for **ANY** reason (including illness and excused travel absences), that quiz will be counted as one of the dropped scores. **There will be NO make-up quizzes.**

Homework: Periodically throughout the semester you will be assigned homework problems that you will answer on your own time and turn in for a grade. Many of these assignments will require you to do a mini experiment at your home and write up your findings. More information for each homework assignment will be addressed when they are assigned in class.

MasteringBiology (Optional): During the semester you will be assigned chapter readings and homework questions to complete during the semester. The grades for the homework assignments **can be** used to **replace your lowest regular exam (not including final exam)** during the semester. Announcements will be made in class and posted on blackboard when they are due. These assignments will be using the **MasteringBiology** (www.mastering biology.com) that comes with the textbook you purchase. This software will also allow access to valuable tools to use while you study for the course. MasteringBiology will provide you with tutorials and activities that integrate art from the textbook, and hopefully with aid in your comprehension of the topics covered. You will need the following code to register for this class: **dickson34621**.

Canvas: Students should log onto **Canvas** ASAP and carefully read all announcements. Canvas and student email should be checked **DAILY** for new announcements or messages. On Canvas you will find lecture outlines, reviews for exams, videos, discussion board posts, and much more that will be very helpful for you as you take this course. You will also have quizzes posted throughout the semester under your course assignment tab. Announcements will be posted when these quizzes are active for you take. Another helpful tool is that **all course grades will be in Canvas, so students will be able to view and calculate their current course grade at any time.**

Attendance: Attendance is essential to success in this class. If you miss class, it is your responsibility to contact another student (not the instructor) to get notes and other announcements made during class.

Supplemental Instruction (SI): Group study sessions are offered several times per week, led by specially trained students. Students that participate in these sessions regularly **score significantly higher on exams**, so attend whenever possible. Session schedules are posted on Canvas and will be announced regularly in class by your SI Leader.

Academic Integrity: Students should be aware that absolute academic integrity is expected of every student in all undertakings at The University of Texas at Tyler. Failure to comply can result in strong university-imposed penalties. **Be forewarned that possession of anything containing course content will be considered cheating, whether you refer to it during the exam.** Also be aware that **TALKING during an EXAM to anyone other than the instructor or proctor will automatically be considered cheating.** It does not matter what you were talking about. This includes the use of **cell phones** (even if they call YOU) or any other electronic device that could be used to record test material. Violation of this policy will be **considered cheating and treated accordingly.** Penalties for cheating include anything from a **zero on the exam or quiz** during which the cheating occurred, up to an **F for the course in question**, at the discretion of the instructor.

Students Rights and Responsibilities: To know and understand the policies that affect your rights and responsibilities as a student at UT Tyler, please follow this link:

<http://www2.uttyler.edu/wellness/rightsresponsibilities.php>

Grade Replacement/Forgiveness and Census Date Policies: Students repeating a course for grade forgiveness (grade replacement) must file a Grade Replacement Contract with the Enrollment Services Center (ADM 230) on or before the Census Date of the semester in which the course will be repeated. Grade Replacement Contracts are available in the Enrollment Services Center or at <http://www.uttyler.edu/registrar>. Each semester's Census Date can be found on the Contract itself, on the Academic Calendar, or in the information pamphlets published each semester by the Office of the Registrar.

Failure to file a Grade Replacement Contract will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates are eligible to exercise grade replacement for only three course repeats during their career at UT Tyler; graduates are eligible for two grade replacements. Full policy details are printed on each Grade Replacement Contract.

The Census Date is the deadline for many forms and enrollment actions that students need to be aware of. These include:

- Submitting Grade Replacement Contracts, Transient Forms, requests to withhold directory information, approvals for taking courses as Audit, Pass/Fail or Credit/No Credit.
- Receiving 100% refunds for partial withdrawals. (There is no refund for these after the Census Date)
- Schedule adjustments (section changes, adding a new class, dropping without a "W" grade)
- Being reinstated or re-enrolled in classes after being dropped for non-payment.
- Completing the process for tuition exemptions or waivers through Financial Aid

State-Mandated Course Drop Policy: Texas law prohibits a student who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at another 2-year or 4-year Texas public college or university. For purposes of this rule, a dropped course is any course that is dropped after the census date (See Academic Calendar for the specific date).

Exceptions to the 6-drop rule may be found in the catalog. Petitions for exemptions must be submitted to the Enrollment Services Center and must be accompanied by documentation of the extenuating circumstance. Please contact the Enrollment Services Center if you have any questions.

Disability Services: In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA) the University offers accommodations to students with learning, physical and/or psychiatric disabilities. If you have a disability, including non-visible disabilities such

as chronic diseases, learning disabilities, head injury, PTSD or ADHD, or you have a history of modifications or accommodations in a previous educational environment you are encouraged to contact the Student Accessibility and Resources office and schedule an interview with the Accessibility Case Manager/ADA Coordinator, Cynthia Lowery Staples. If you are unsure if the above criterion applies to you but have questions or concerns please contact the SAR office. For more information or to set up an appointment please visit the SAR office located in the University Center, Room 3150 or call 903.566.7079. You may also send an email to cstaples@uttyler.edu.

Student Absence due to Religious Observance: Students who anticipate being absent from class due to a religious observance are requested to inform the instructor of such absences by the second-class meeting of the semester.

Student Absence for University-Sponsored Events and Activities: If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor) must notify the instructor at least two weeks prior to the date of the planned absence. At that time the instructor will set a date and time when make-up assignments will be completed.

Social Security and FERPA Statement: It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act; grades will not be transmitted electronically.

Emergency Exits and Evacuation: Everyone is required to exit the building when a fire alarm goes off. Follow your instructor's directions regarding the appropriate exit. If you require assistance during an evacuation, inform your instructor in the first week of class. Do not re-enter the building unless given permission by University Police, Fire department, or Fire Prevention Services.

Schedule of Topics - BIOL 1302	
Topics	Chapters
Where Did we come from?	11
An Evolving Enemy	12
Understanding Race	13
The Greatest Species on Earth	14
EXAM I – ** February 8th	
Is the Human Population too Large?	15
Conserving Biodiversity	16
The Human Footprint	17
EXAM II – ** March 7th	
Organ Donations	18
Binge Drinking	19
Clearing the Air	20
EXAM III – ** April 11th	
Vaccinations: Protection and Prevention or Peril?	21
Feeding the World	25
Growing a Green Thumb	26
Final Exam Week (April 29th – May 3rd)	

**Tentative Exam dates*

Last Day to Drop with a “W” – March 25, 2024

Final Exams Date and Time – TBD