INTRODUCTION TO LIFE SCIENCES II  
BIOL 1302  
Spring 2022

Instructor: Jared Dickson, MS.  
Office: BEP 104  
Email: jdkson@uttyler.edu  
Office hours: Thursdays 9AM – 12AM, 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


Grading:

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<tr>
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<th>Possible Points</th>
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<tbody>
<tr>
<td>Regular Exams (3)</td>
<td>300</td>
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<tr>
<td>Final Exam (comprehensive)</td>
<td>150</td>
</tr>
<tr>
<td>Homework (6)</td>
<td>150</td>
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<tr>
<td>Quizzes (7)</td>
<td>70</td>
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<tr>
<td>Group Participation</td>
<td>15</td>
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<tr>
<td>Clicker Responses</td>
<td>15</td>
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<tr>
<td><strong>Total Points</strong></td>
<td><strong>700</strong></td>
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<table>
<thead>
<tr>
<th>Percentage</th>
<th>Points</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90-100%</td>
<td>627 - 700</td>
<td>A</td>
</tr>
<tr>
<td>80-89%</td>
<td>557 - 626</td>
<td>B</td>
</tr>
<tr>
<td>70-79%</td>
<td>487 - 556</td>
<td>C</td>
</tr>
<tr>
<td>60-69%</td>
<td>417 - 486</td>
<td>D</td>
</tr>
<tr>
<td>50-59%</td>
<td>0 - 416</td>
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* 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 (1.5pts each). All exams will be multiple-choice questions. The comprehensive exam will contain new and old content (terminology seen on all old exams). The majority of 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. There will be individual and group quizzes this semester. There will be both in class and online (posted on blackboard) quizzes for you to complete during the semester. For each quiz (both individual and group), you will have 10-15 minutes to complete each quiz. For those quizzes taken during class time, 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. For quizzes you take online, you will have point deducted for going over the time allotted for each quiz. Each quiz will be worth 10 points. 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: 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 due. These assignments will be use the MasteringBiology (www.masteringbiology.com) that comes with the textbook you purchase. This software will also allow you very 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: dickson37901

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 really 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. There will be attendance points added to clicker point grade (15pts). This will be calculated based on the number of
Turning Technologies (Clicker Devices): For this course you will need to purchase a NXT clicker from Turning Technologies. This clicker will be used to answer questions during the semester. During the semester you will be responsible for bringing to class the Turning Technologies Response Pad (NXT Clicker) to answer questions during the lecture, as well as to take attendance for each class period. At the end of the semester student responses will be used to assign clicker points participation score at the end of the semester (this is the same as the attendance point points).

It is your responsibility to remember to bring your clicker to every class.

You will need to make sure to purchase a response pad within the few days of 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 or not you actually 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.utttyler.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.utttyler.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.

<p>| Schedule of Topics - BIOL 1302 |
|-------------------------------|----------------|
| Topics                        | Chapters |
| Where Did we come From?       | 11        |</p>
<table>
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<tbody>
<tr>
<td>An Evolving Enemy</td>
<td>12</td>
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<tr>
<td>Understanding Race</td>
<td>13</td>
</tr>
<tr>
<td>The Greatest Species on Earth</td>
<td>14</td>
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**EXAM I – **February 11th**

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<tr>
<td>Is the Human Population to Large?</td>
<td>15</td>
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<tr>
<td>Conserving Biodiversity</td>
<td>16</td>
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<tr>
<td>The Human Footprint</td>
<td>17</td>
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**EXAM II – **March 4th**

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<tbody>
<tr>
<td>Organ Donations</td>
<td>18</td>
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<tr>
<td>Binge Drinking</td>
<td>19</td>
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<tr>
<td>Clearing the Air</td>
<td>20</td>
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**EXAM III – **April 8th**

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<tr>
<td>Vaccinations: Protection and Prevention or Peril?</td>
<td>21</td>
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<tr>
<td>Feeding the World</td>
<td>25</td>
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<tr>
<td>Growing a Green Thumb</td>
<td>26</td>
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**Final Exam Week (April 26th – April 30th)**

*Tentative Exam dates*

Last Day to Drop with a “W” – March 28, 2022

Final Exams Date and Time – TBD
UNIVERSITY POLICIES AND ADDITIONAL INFORMATION THAT MUST APPEAR IN EACH COURSE SYLLABUS

UT Tyler Honor Code
Every member of the UT Tyler community joins together to embrace: Honor and integrity that will not allow me to lie, cheat, or steal, nor to accept the actions of those who do.

Students Rights and Responsibilities
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Campus Carry
We respect the right and privacy of students 21 and over who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at http://www.putyler.edu/about/campus-carry/index.php

UT Tyler a Tobacco-Free University
All forms of tobacco will not be permitted on the UT Tyler main campus, branch campuses, and any property owned by UT Tyler. This applies to all members of the University community, including students, faculty, staff, University affiliates, contractors, and visitors.
Forms of tobacco not permitted include cigarettes, cigars, pipes, water pipes (hookah), bidis, kretek, electronic cigarettes, smokeless tobacco, snuff, chewing tobacco, and all other tobacco products.
There are several cessation programs available to students looking to quit smoking, including counseling, quitlines, and group support. For more information on cessation programs please visit www.putyler.edu/tobacco-free.

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Revised 05/19
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**Student Standards of Academic Conduct**
Disciplinary proceedings may be initiated against any student who engages in scholastic dishonesty, including, but not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.

i. "Cheating" includes, but is not limited to:
   - copying from another student's test paper;
   - using, during a test, materials not authorized by the person giving the test;
   - failure to comply with instructions given by the person administering the test;
   - possession during a test of materials which are not authorized by the person giving the test, such as class notes or specifically designated "crib notes". The presence of textbooks constitutes a violation if they have been specifically prohibited by the person administering the test;
   - using, buying, stealing, transporting, or soliciting in whole or part the contents of an unadministered test, test key, homework solution, or computer program;
   - collaborating with or seeking aid from another student during a test or other assignment without authority;
   - discussing the contents of an examination with another student who will take the examination;
   - divulging the contents of an examination, for the purpose of preserving questions for use by another, when the instructors has designated that the examination is not to be removed from the examination room or not to be returned or to be kept by the student;
   - substituting for another person, or permitting another person to substitute for oneself to take a course, a test, or any course-related assignment;
   - paying or offering money or other valuable thing to, or coercing another person to obtain an unadministered test, test key, homework solution, or computer program or information about an unadministered test, test key, homework solution or computer program;
   - falsifying research data, laboratory reports, and/or other academic work offered for credit;
   - taking, keeping, misplacing, or damaging the property of The University of Texas at Tyler, or of another, if the student knows or reasonably should know that an unfair academic advantage would be gained by such conduct; and
   - misrepresenting facts, including providing false grades or resumes, for the purpose of obtaining an academic or financial benefit or injuring another student academically or financially.

ii. "Plagiarism" includes, but is not limited to, the appropriation, buying, receiving as a gift, or obtaining by any means another's work and the submission of it as one's own academic work offered for credit.

iii. "Collusion" includes, but is not limited to, the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any section of the rules on scholastic dishonesty.

iv. All written work that is submitted will be subject to review by plagiarism software.

**UT Tyler Resources for Students**
- [UT Tyler Writing Center](mailto:writingcenter@uttyler.edu) (903.565.5995)
- [UT Tyler Tutoring Center](mailto:tutoring@uttyler.edu) (903.565.5964)
- The Mathematics Learning Center, RBN 4021, this is the open access computer lab for math students, with tutors on duty to assist students who are enrolled in early-career courses.
- [UT Tyler Counseling Center](mailto:utcounseling@uttyler.edu) (903.566.7254)