Instructor: Jessica L. Coleman, MS.
Office: BEP 114 Email: jcoleman@uttyler.edu Phone number: (903) 565-5889
Office hours: Tuesday 9:00am – 12:00pm, Wednesday 1:30pm – 3:30pm, or by appointment

Course Objectives: Biology 1307 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

Required Textbook and Other Materials:

   a. Purchasing Options (only one needed)
      i. Hard Bound text with MasteringBiology with E-book
      ii. 3 hole punched book with MasteringBiology with E-book

2. Turning Technology NXT or QTr Student Response Card (plus turning account and license): available in the bookstore or on the Turning Technologies website.

Grading:

<table>
<thead>
<tr>
<th>Points Possible</th>
<th>Grade Distribution</th>
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<tbody>
<tr>
<td><strong>Exam 1</strong> 100</td>
<td>Percentage Points Grade</td>
</tr>
<tr>
<td><strong>Exam 2</strong> 100</td>
<td>90-100% 493 – 550 A</td>
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<tr>
<td><strong>Exam 3</strong> 100</td>
<td>80-89% 438 – 492 B</td>
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<tr>
<td>Final 150</td>
<td>70-79% 383 – 437 C</td>
</tr>
<tr>
<td>Quizzes 70</td>
<td>60-69% 328 – 382 D</td>
</tr>
<tr>
<td>Clicker points 15</td>
<td>50-59% 0 – 327 F</td>
</tr>
<tr>
<td>Participation 15</td>
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<tr>
<td><strong>Total 550</strong></td>
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*Homework grade can replace the lowest regular exam score (final not included).*
Grading: Letter grades will be assigned according to the following scale:

A = above 89.5    B = 79.5 – 89.49    C = 69.5 – 79.49    D = 59.5 – 69.49    F = Below 59.5

All of your course grades will be in Canvas, so you will be able to view your current course grade at any time. Please be aware that I cannot give you EXTRA CREDIT or WORK at the end of the semester. Your average shown in Canvas will determine your final grade in the course.

At the end of the semester, grades will be calculated in Canvas according to the syllabus. If your average is within 0.5 points of the next letter grade, I will round it up automatically (see grade scale above). The only other adjustment that will be made is if the final percentage is WITHIN ONE POINT of the next letter grade (and NO more), and the student has missed THREE OR LESS LECTURES, TWO or LESS WEEKLY QUIZZES and has a CLASS PARTICIPATION GRADE OF 80% or HIGHER. If you meet these criteria, then I will round up to the next letter grade. (Mitigating circumstances will be taken into account at the discretion of the instructor).

Exam policy: There will be four exams during the semester. The first three are regular exams consisting approximately 50 questions (2pt each), while fourth exam will be a comprehensive final that will consist of approximately 100 questions (1.5pt 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!

Make-up Exams: If you are unable to take an exam when scheduled due to unforeseen illnesses, deaths in the family or other traumatic events, contact me with in 24 hrs of the event to schedule a make-up exam. Please provide documentation (letters from family are NOT acceptable) of the events that my conflict with exam dates. I will work with you to schedule a makeup exam.

If you are unable to take an exam as schedule for some sort of Non-emergency issues, then you must let me know well in ADVANCE. Students who fail to make timely arrangements will most likely receive a grade of “0” for the exam missed.

Quizzes: There will be at least 7 quizzes during the semester (potentially as many as 14). There will be individual and group quizzes this semester. There will be both in class and online (posted on CANVAS) 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.

For online quizzes please make sure you are using a computer that is on RELIABLE Internet connection. If you are knocked offline while taking a quiz, I may have to clear the quiz before another attempt can be made. If this happens, simply email as soon as it happens and I will clear your attempt. Keep in mind that if you start the quiz with only a few minutes left before it closes I will not be able to clear your response, and you will get a “0” for the attempt.
PeerWise: Students will use PeerWise to create and to explain their understanding of course related assessment questions, and to answer and discuss questions created by their peers. PeerWise provides a number of learning opportunities to students:

- **Designing questions**: Generating a question requires students to think carefully about the topics of the course and how they relate to the learning outcomes. Writing questions focuses attention on the learning outcomes and makes teaching and learning goals more apparent to students.
- **Choosing distractors**: The act of creating plausible distracters (multiple-choice alternatives) requires students to consider misconceptions, ambiguity and possible interpretations of concepts.
- **Writing explanations**: Explanations require students to express their understanding of a topic with as much clarity as possible. This acts to develop their written communication skills and deepen their understanding.
- **Answering questions**: Answering questions in a drill and practice fashion reinforces learning, and incorporates elements of self-assessment. Students are shown how others have answered the same questions, allowing them to gauge how well they are coping in the course.
- **Evaluating quality**: Evaluating existing questions incorporates higher-order cognitive skills, requiring a student to consider not only the content, but what makes a particular question more effective than other questions.

You may earn one PeerWise grade (worth a ten point quiz grade) per exam unit. Each assignment will be due at the same time, by 9pm the on the day before the exam). **To earn each grade (10 points), you must**:

- **Write three questions** - at least one for each chapter on the exam, as possible; I don't want you to write all three over material from the same chapter. Also, you must identify each question with two TOPICS: GB2Ex# (Ex# will be 1, 2, 3, or 4) and Ch# (Ch# indicates the text chapter), plus any other key words needed to indicate the question content. **Failure to include the specified exam and chapter number Topics will prevent me from giving you credit for a question.**

- **Answer 7 questions** - at least one for each chapter on exam; in other words, I don't want you to answer all 7 questions from one chapter; spread them around, please.

At the end of the semester, I will use the **15 best questions from Exam 1 - 3** (5 per exam unit) on the Final Exam, as the comprehensive portion.

Here is the information you will need to log into the account:

- Institution: The University of Texas at Tyler
- Course Name: General Biology II (Spring 2020)
- Course ID: 20524

Please click here to read the Guide for Students: [https://peerwise.cs.auckland.ac.nz/docs/students/](https://peerwise.cs.auckland.ac.nz/docs/students/)

**Homework**: 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 Canvas when they are 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: MBCOLEMAN4757392

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 the module sections (labeled Quizzes). Announcements will be posted when these quizzes are active for you to 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.

Turning Technology (Clickers): For this course you will need to purchase a NXT clicker (or QT clicker) AND a Turning Account from turning technology. This clicker will be used to answer questions during the semester and for taking exams. 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 (15pts) at the end of the semester. These clickers are also required to take all of the exams during the semester; without the right clicker you will not be able to complete the exams.

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 first few days of class.

Attendance/Participation: Attendance and participation 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. Your attendance will be recorded by answering the clicker questions during each class period. For attempting to answer your questions you will receive points for participating, and at the end of the semester will earn participation points (15pts). This will be calculated based on the number of clicker questions you were there to attempt.

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.
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.

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/Accessibility Services: In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA) the University of Texas at Tyler offers accommodations to students with learning, physical and/or psychological disabilities. If you have a disability, including non-visible diagnosis such as a
learning disorder, chronic illness, TBI, PTSD, ADHD, or you have a history of modifications or accommodations in a previous educational environment, you are encouraged to visit [https://hood.accessiblelearning.com/UTTyler](https://hood.accessiblelearning.com/UTTyler) and fill out the New Student application. The Student Accessibility and Resources (SAR) office will contact you when your application has been submitted and an appointment with Cynthia Lowery, Assistant Director Student Services/ADA Coordinator. For more information, including filling out an application for services, please visit the SAR webpage at [http://www.utttyler.edu/disabilityservices](http://www.utttyler.edu/disabilityservices), the SAR office located in the University Center, #3150 or call 903.566.7079.

**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.

**Concealed Handgun Policy:** 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.utttyler.edu/about/campus-carry/index.php](http://www.utttyler.edu/about/campus-carry/index.php).

**UT Tyler Tobacco-Free Policy:** 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, kretex, 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.utttyler.edu/tobacco-free](http://www.utttyler.edu/tobacco-free).
<table>
<thead>
<tr>
<th>Schedule of Topics - BIOL 1307</th>
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</thead>
<tbody>
<tr>
<td><strong>Topic</strong></td>
</tr>
<tr>
<td>Genomics and Their Evolution</td>
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<tr>
<td>Descent with Modification</td>
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<tr>
<td>Phylogeny</td>
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<tr>
<td>Evolution of Populations</td>
</tr>
<tr>
<td>The origin of Species</td>
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**Exam I – *February 10th***

- Broad Patterns of Evolution             | 23          
- Early life and the diversification of prokaryotes | 24          
- The origin and diversification of eukaryotes     | 25          
- The colonization of land by plants and fungi     | 26          
- The Rise of Animal Diversity                  | 27          

**Exam II – *March 6th***

- Animal form and function                  | 32 – 39 (excerpts) 
  Excerpts from chapters 32 – 39 highlighting each system

**Exam III – *April 6th***

- Pop. Ecology and the distribution of organisms | 40          
- Species Interactions                          | 41          
- Ecosystems and Energy                          | 42          
- Global Ecology and Conservation Biology       | 43          

**Final Exam (Comprehensive) – April 29th/May 1st**

**Tentative Exam Dates – subject to change**

No classes:  **Spring Break – March 9 – 14, 2020**

Last Day to Drop with a “W”:  **March 30, 2020**

Final Exam:  **8:00am MWF class – Wednesday April 29th, 2020 @ 8am**
  **9:05am MWF class – Friday May 1st, 2020 @ 8am**