

Introduction to Biology II
BIOL 1334 (section 002)
Spring 2008
TR 5:30-6:50 pm LS 124
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Office Hours: R, 3:00-5:30 pm, or by appointment

Description of Course Content: A continuation of BIOL 1333. Students are encouraged to apply pertinent biological concepts to biologically-based problems in today's society. This course is for non- science majors.

Student Learning Outcomes: Students will acquire the conceptual background to understand how biological principles apply to their lives, and they will become equipped to make educated conclusions about biological topics in the popular media. Major themes of this second semester in the nonmajors series include: cellular reproduction and genetics, mechanisms and consequences of evolution, and principles of ecology. Students will be encouraged to think broadly and deeply about the implications of being a human organism in the context of a global ecological system.

Requirements: BIOL 1333 (prerequisite) or permission of the instructor
Required Textbook: Campbell et al., Biology: Concepts & Connections (5th edition)

Tentative Lecture and Exam Schedule

Lecture	Topics	Chapter
Jan 14-18	Cellular Basis of Inheritance (Mitosis & Meiosis)	8
Jan 21-25	Patterns of Inheritance (Mendelian Genetics)	9
Jan 28-01	Molecular Biology of the Gene	10
Feb 4-8	Gene Expression, DNA Technology, Genomics	11,12
Feb 11-15	Cellular Reproduction & Genetics	unit review
	Exam 1 Thursday Feb 14	
Feb 18-22	How Populations Evolve	13
Feb 25-29	The Origin of Species, Tracing Evolutionary History	14,15
Mar 03-07	Origins of Life / Microbial Diversity	16
Mar 10-14	Concepts of Evolution (& Origins of Life)	unit review
	Exam 2 Thursday Mar 13	
Mar 17-21	Spring Break	
Mar 24-28	Biosphere & Biomes, Animal Diversity	34,18
Mar 31-04	Animal Diversity cont'd, Behavioral Adaptations	18,35
Apr 07-11	Population Dynamics, Communities & Ecosystems	36,37
Apr 14-18	Ecology	unit review
	Exam 3 Friday Apr 18	
Apr 21-25	Cumulative Review & Special Topics	
Apr 28-2	Special Topics/Buffer time	
May 06	Final Exam (cumulative) Tuesday May 06, 5:30-8:00 pm	

Important Note: Exam dates are TENTATIVE and subject to change depending on class progress, etc.; however, the class will be notified *at least two weeks* prior to the test date of any changes in the schedule (in-class announcement and Mymav email notification).

Please note census date Wednesday 01/30 and drop date Friday 03/28.

Grading Policy: Exams will contain a combination of question styles (e.g., multiple choice, matching, true/false). A typical exam will contain fifty questions. It will be your responsibility to bring a Scantron form and No. 2 pencil to each exam. Grades will be awarded as a percentage

basis of total points possible (Each regular exam consists of 100 pts; the final consists of 120 pts).

Semester grade: A = 90-100%, B = 80-90% C = 70-80%, D = 60-70%, F < 60%

Important note: I reserve the right to modify the grade scale with notification to the class.

Attendance Policy: Lecture attendance is HIGHLY recommended for improving your performance on examinations. Be considerate to your fellow students; turn off your cell phone ringer before class begins, and do not carry on conversations with your classmates during the lecture. In the event of consistent distracting tardiness, I reserve the right to preclude persons from entering the classroom 10 minutes after the beginning of the scheduled class time.

Furthermore, there will be a single option for extra credit in this class—I will take periodic attendance, each time you are present when I call roll, you will receive 2 pts extra credit. This normally amounts to about a 5-7% difference in your final grade over the course of the semester (bonus assignments are no longer allowed as mandated by the chair of the Biology Department).

Drop Policy: If you decide to drop this course (or any other, for that matter) you must obtain a drop slip from the departmental undergraduate advisor's office fill it out, have the instructor of the course you wish to drop sign the slip and return it to the advisor's office. If you simply stop attending class without first completing and returning to the undergraduate advisor a drop slip you remain enrolled in the class and will receive a grade of F. Please refer to deadlines listed in the academic calendar.

Important University Policies:

Americans With Disabilities Act: If you are a student who requires accommodations in compliance with the ADA, please consult with me at the beginning of the semester. As a faculty member, I am required by law to provide reasonable accommodation to students with disabilities, so as not to discriminate on the basis of that disability. Your responsibility is to inform me of the disability at the beginning of the semester and provide me with documentation authorizing the specific accommodation. Student services at UTA include the Office for Students with Disabilities (located in the lower level of the University Center) which is responsible for verifying and implementing accommodations to ensure equal opportunity in all programs and activities.

Academic Integrity: It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University. "Scholastic dishonesty includes but is 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." (Regents' Rules and Regulations, Series 50101, Section 2.2)

Student Support Services Available: The University of Texas at Arlington supports a variety of student success programs to help you connect with the University and achieve academic success. These programs include learning assistance, developmental education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance academically, personally, or socially should contact the Office of Student Success Programs at 817-272-6107 for more information and appropriate referrals.

Final Review Week: A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during

or following this week unless specified in the class syllabi. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. Classes are held as scheduled during this week and lectures and presentations may be given.

Drop for non-payment of tuition: Payment must be received by the term due date of January 9, 2008 or your registration will be cancelled. If your registration is cancelled for non-payment, you may reregister for classes but only if seats are available.

Bomb Threats: If anyone is tempted to call in a bomb threat, be aware that UTA will attempt to trace the phone call and prosecute all responsible parties. Every effort will be made to avoid cancellation of presentations/tests caused by bomb threats. Unannounced alternate sites will be available for these classes. Your instructor will make you aware of alternate class sites in the event that your classroom is not available.

After Hours Safety Escort: The Sam Mav Escort service provides a service to assist students, faculty, staff and campus visitors to reach their destinations after regular business hours. The hours of service are 7:00 p.m. to 1:00 a.m., Sunday through Saturday. 817-272-3381

MavMail: The University of Texas at Arlington has adopted the University email address as an official means of communication with students. Through the use of email, UT-Arlington is able to provide students with relevant and timely information, designed to facilitate student success. In particular, important information concerning registration, financial aid, payment of bills, and graduation may be sent to students through email. All students are assigned an email account and information about activating and using it is available at www.uta.edu/email. New students (first semester at UTA) are able to activate their email account 24 hours after registering for courses. There is no additional charge to students for using this account, and it remains active as long as a student is enrolled at UT-Arlington. Students are responsible for checking their email regularly.

Make-up Exam Policy: Your lowest exam score will be dropped from your grade calculation (except for the cumulative final, which is mandatory). Thus, one missed exam (except the final) will not bring down your score because the grade of zero will not be included in your semester average. Since your midterm scores may fall short of your expectations once or more during the semester, it is to your advantage to sit for as many examinations as possible. Missing an exam for a reason less than an emergency is not recommended. **Important note: There are NO makeup exams—thus you should NOT miss an exam for any reason other than an emergency (if you decide to miss an exam and then happen to be sick for another, you will receive a zero score for one of them)!**

Grade Grievance Policy: Please refer to the current undergraduate catalog for the grade grievance policy and the required timeframe for filing an appeal.

Those who do not read are no better off than those who cannot
-Chinese proverb

The palest ink is better than the strongest memory
-Chinese proverb

You'll never plow a field by turning it over in your mind
-Irish proverb

The day of the storm is not the day for thatching

-Irish proverb