

Biology 1282 - Introductory Biology Lab - Spring 2008

| Lab | Date | Topic | Manual | Assignments |
|-----|-------------|---|--------------------|---------------------------------------|
| 1 | January 28 | Introduction Lab Safety Scientific Method Lab Measurements | 1-9 51 | #1 11-12 |
| 2 | February 4 | Natural Selection | 15-19 | #2 23-24 Summary #1 |
| 3 | February 11 | Microscopy | 77-85 | #3 77-85 |
| 4 | February 18 | Mitosis / Meiosis Intro | 193 | Summary #2 |
| 5 | February 25 | Prokaryotes and Protists | 89-98 | #4 99-102 |
| 6 | March 3 | Fungi | 123-129 | #5 131-134 Summary #3 |
| 7 | March 10 | Animal Phyla | | Mid-Term & Quiz |
| | March 17 | Holiday - No Labs This Week | | |
| 8 | March 24 | Meiosis and Genetics | 203-235 | #6 203-235 |
| 9 | March 31 | Reproduction | 275-281 | #7 282-283 |
| 10 | April 7 | Enzymes | 257-260 | #8 261-264 Summary #4 |
| 11 | April 14 | Cardiovascular and Nutrition | 175-181 265-266 | #9 175-181 & 269-271 Summary #5 |
| 12 | April 21 | Plants | 303-315 | #10 303-315 Final |

Class Meetings and Instructor Contact Information:

Please contact your instructor at their assigned office hours, via e-mail, or leave a message in his mailbox in the Biology Departmental Office (Room 337 LS).

| <u>Instructor</u> | <u>e-mail</u> | <u>Office</u> | <u>Lab Times</u> | |
|-------------------|--------------------------|---------------|------------------|--------|
| K. Crane | kcrane@uta.edu | LS470 | M 6-9 | W 1-4 |
| E. Stringer | ellens@uta.edu | LS130 | W 1-4 | Th 1-4 |
| -Browning | | | | |
| A. Koroma | koroma@uta.edu | LS466 | M 1-4 | T 1-4 |
| T. Wood | taw2072@exchange.uta.edu | LS137 | M 1-4 | T 1-4 |

Course Objectives:

This is an introductory biology course designed to give students experience in lab procedures and writing scientific papers. The course gives a survey of organisms, their systems, and their classifications. The course also reviews basic cellular processes and their implications in diversity and evolution.

Student Learning Outcomes:

Students will: use lab instruments and lab procedures to collect data, write summaries, describe basic cells and cellular processes and how these lead to variation and natural selection, describe basic biological systems and their functions, and use characteristics of organisms to classify them.

Required Textbooks and Other Course Materials:

The lab manual for this class is called *Symbiosis*. It is available at the UTA bookstore. Read the assigned lab BEFORE coming to class.

Grading Policy:

Assignments must be turned in **ON TIME**. In general, assignments will be due at the beginning of the following class. **You will lose 20% of your grade each day that an assignment is late**. Assignments over three days late will not be accepted. Your final grade will be an average of all assignments. Grades are assigned on a standard of: 90-100=A, 80-89=B, 70-79=C, 60-69=D, <60=F.

Attendance: YOU ARE RESPONSIBLE FOR ATTENDING ALL LABS.

If an attendance problem arises, speak with your lab instructor *immediately*. If you know you are going to miss a class period and you arrange it ahead of time, you may be able to make up the lab in another section. There will be no makeup labs outside of the regularly scheduled lab times. You may NOT submit an assignment for any lab that you did not attend. Therefore, DO NOT MISS LABS.

Drop Policy:

All drops will be handled according to University of Texas at Arlington policy.

Syllabus Change:

The syllabus may be changed as needed by the instructor during the semester

Important University Policies:

Americans With Disabilities Act:

The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 92-112 - The Rehabilitation Act of 1973 as amended. With the passage of federal legislation entitled *Americans with Disabilities Act (ADA)*, pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty of their need for accommodation and in providing authorized documentation through designated administrative channels. Information regarding specific diagnostic criteria and policies for obtaining academic accommodations can be found at www.uta.edu/disability. Also, you may visit the Office for Students with Disabilities in room 102 of University Hall or call them at (817) 272-3364.

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.

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.

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.

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:

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.